DOCUMENT RESUME

ED 444 830 SE 063 848

TITLE	Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions: Fiscal Year 1998. Detailed Statistical Tables.
INSTITUTION	National Science Foundation, Arlington, VA. Div. of Science Resources Studies.
REPORT NO	NSF-00-315
PUB DATE	2000-04-00
NOTE	242p.; Foreword by Lynda T. Carlson.
AVAILABLE FROM	National Science Foundation, Div. of Science Resources Studies, 4201 Wilson Blvd., Suite 965, Arlington, VA 22230; Phone: 703-306-1780; FAX: 703-306-0510; e-mail: srsweb@nsf.gov.
PUB TYPE	Numerical/Quantitative Data (110)
EDRS PRICE	MF01/PC10 Plus Postage.
DESCRIPTORS	*Data Collection; *Federal Aid; Federal Government; *Financial Support; Higher Education; *Institutions
IDENTIFIERS	*National Science Foundation Act 1950

ABSTRACT

This document reports the statistical data of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions for Fiscal Year 1998, in accordance with the National Science Foundation (NSF) Act of 1950. The data presented in these tables cover all categories of direct federal science and engineering (S&E) support to institutions of higher education, including federally funded research and development centers in the United States for science and engineering activities. This document also provides technical information on data collection methods and changes in the report. (YDS)

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ED 444 830

Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions

Fiscal Year 1998

Detailed Statistical Tables

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Division of Science Resources Studies
Directorate for Social, Behavioral, and Economic Sciences
National Science Foundation

April 2000

Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions

Fiscal Year 1998

Detailed Statistical Tables

Richard Bennof, Project Officer

Division of Science Resources Studies
Directorate for Social, Behavioral, and Economic Sciences
National Science Foundation

April 2000

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Suggested Citation
National Science Foundation, Division of Science Resources Studies, *Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions: Fiscal Year 1998* NSF 00-315, Project Officer, Richard J. Bennof (Arlington, VA 2000).

April 2000

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NATIONAL SCIENCE FOUNDATION
4201 WILSON BOULEVARD
ARLINGTON, VIRGINIA 22230

OFFICE OF THE
DIRECTOR

LETTER OF TRANSMITTAL

Dear Mr. President:

It is my honor to transmit to you the statistical report, *Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions: Fiscal Year 1998*, in accordance with the National Science Foundation Act of 1950, as amended.

Respectfully yours,

Rita R. Colwell
Director

The President
The White House
Washington, DC 20500

FOREWORD

Institutions of higher education, the major source of the Nation's scientists and engineers, perform about one-half of the Nation's basic research. Therefore, the level, distribution, and characteristics of Federal academic support are of much interest to officials at Federal, state, and local levels and in nongovernmental sectors.

The National Science Foundation Act of 1950, as amended, requires that the Foundation " . . . initiate and maintain a program for the determination of the total amount of money for scientific and engineering research, including money allocated for the construction of the facilities wherein such research is conducted, received by each educational institution and appropriate nonprofit organization in the United States, by grant, contract, or other arrangement from agencies of the Federal Government, and to report annually thereon to the President and the Congress."

To fulfill this requirement, the Foundation has utilized the data collection system originally designed by the Committee on Academic Science and Engineering of the Federal Council for Science and Technology. The Foundation annually collects statistical data from the 19 Federal agencies that account for virtually all support for science and engineering (S&E) research and development at educational institutions. Data are also collected on these agencies' obligations to nonprofit institutions.

Since its inception, this survey system has been the sole source of data on Federal funding to individual institutions for S&E activities and therefore attracts a wide audience. These data provide information that enables users to examine patterns of support for individual institutions over time and to compare such patterns with those of other institutions.

We are grateful for the continued cooperation of the responsible staff members in the participating agencies, and we appreciate their efforts to assist us in ensuring the quality of their data submissions.

Lynda T. Carlson
Director
Division of Science Resources Studies
National Science Foundation

March 2000

ACKNOWLEDGMENTS

The preparation of *Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions: Fiscal Year 1998,* was managed by Richard J. Bennof, Analyst, National Science Foundation (NSF), Division of Science Resources Studies (SRS), Research and Development Statistics Program (RDS), under the overall direction of John E. Jankowski, Program Director, RDS, with guidance and review provided by Mary J. Frase, Deputy Director, SRS, and Ronald S. Fecso, Chief Statistician, SRS. The text was edited by Anne Houghton, Publications Manager of SRS, with assistance from Julia H. Harriston and Tanya R. Gore. Quantum Research Corp. (QRC) of Bethesda, MD, under NSF contract number SRS-9732370, prepared the tables and report copy. QRC staff members who worked on this project were Gail H. Henry, Hilary E. Jones, Jody L. Kloczkowski, Keri R. Leibensperger, Elizabeth H. Peto, and Doorjodhan Singh.

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General Notes

The data presented in these tables cover all categories of direct Federal science and engineering (S&E) support to institutions of higher education, including federally funded research and development centers, in the United States for science and engineering (S&E) activities. The 19 agencies listed in these tables provide virtually all of the Federal funding for S&E research and development (R&D) at U.S. universities and colleges. Data are also reported on these agencies' obligations to nonprofit institutions.

The FY 1998 data in this report were submitted by 19 Federal agencies, covering the period October 1, 1997, through September 30, 1998. Data reported by the Agency for International Development; the Appalachian Regional Commission; the Departments of Housing and Urban Development, Labor, State, and Transportation; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration were combined because of space constraints to constitute the "other" category in tables that show funding by agency. In 1998, these 9 agencies accounted for less than 1 percent of all Federal S&E academic support. In most tables that list data by agency and individual institution, the"other" column includes data from the Department of the Interior in addition to those 9 agencies. The detailed agency-specific data are available from the National Science Foundation (NSF) upon request. In 1998, the 19 agencies reported obligations to 1,081 universities and colleges, 37 academic system offices, and 960 independent nonprofit institutions.

Because of rounding, data in the text or tables may not add to the totals or subtotals shown. Reported obligations were rounded to the nearest thousand dollars.

For survey data or more information about *Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions*, contact:

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SECTION A.

TECHNICAL NOTES

SCOPE OF SURVEY

Data presented in this report are collected annually through the National Science Foundation's (NSF's) congressionally mandated Survey of Federal Science and Engineering (S&E) Support to Universities, Colleges, and Nonprofit Institutions (the Federal S&E support survey). The survey originated in 1965, when the Committee on Academic Science and Engineering (CASE) within the Federal Council for Science and Technology established the CASE data collection system to report annually on Federal S&E obligations to academic institutions and associated federally funded research and development centers (FFRDCs). Since 1968, CASE data, as well as data on nonprofit institutions, also have served as the basis for an annual report to the President and Congress. This survey is designed to collect information from Federal agencies on (1) total S&E program support to academic institutions, (2) total S&E support to FFRDCs administered by academic institutions, and (3) research and development (R&D) and R&D plant support to nonprofit institutions and associated FFRDCs.

The data are presented in terms of Federal obligations provided for direct support of academic S&E. The data exclude financial support of an indirect nature, such as funds allocated to state agencies, even if the final recipient of such funds is known to be an academic institution. Data on type of institutional control and on highest degree granted are not presented in this report but are available upon request (see "Data Availability" at the end of this section).

Obligations are the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required. Obligations differ from expenditures in that funds allocated by Federal agencies during one fiscal year may be spent by the recipient institution either partially or entirely during one or more subsequent years.

The obligations listed for individual institutions reflect direct Federal S&E support. Thus, amounts subcontracted and subgranted to other institutions are included, but funds received through subrecipient arrangements from primary recipients are excluded.

Obligations are listed as awards to individual institutions within a system (e.g., to the University of California, Los Angeles rather than to the University of California system as a whole). However, obligations awarded directly to the central administration of a system are listed separately. If the final destination of the funds is not known, the agencies report them as obligations to a system's administrative office from which the funds are distributed to the system's individual institutions.

CHANGES IN REPORTING

Since these data were first collected in 1965, there have been some changes in reporting. The most recent of these include the following:

- During the FY 1987 survey cycle, the Department of Defense (DoD) determined that some funds reported in prior years as R&D obligations to the Johns Hopkins University Applied Physics Lab (APL) were more appropriately classified as "other sciences and engineering." Data for FYs 1984-86 were revised, but DoD was unable to revise data for earlier years. In FY 1998, APL accounted for more than 95 percent of DoD's total S&E funding of $293 million to Johns Hopkins.

- To better differentiate between that part of the Federal R&D budget that supports "science and key enabling technologies" (including for military and nondefense applications) and that part that primarily concerns "testing and evaluation of large technical systems prior to production" (of mostly defense-related systems), NSF, has since FY 1994, collected data on DoD development dollars in two categories: advanced technology development and major systems development.

- Before FY 1993, NSF published data on a seventh obligations category (see "Categories of Support," on page 6) covering non-S&E activity. Since then, however, the Department of Education has made major software modifications to the automated system from which its Federal S&E data were produced. The revamped coding structure introduced major trend differences for the department's institution data. Consequently, because Education accounted for 91 percent ($5.9 billion) of the to-

tal Federal support for "non-S&E" ($6.5 billion) for FY 1993, NSF no longer publishes non-S&E totals. To explain Education's downward academic R&D trend between FYs 1993 and 1994 (from $95 million to $49 million), the agency stated that academic R&D programs in FY 1994 either were not funded, did not have an S&E component, or received reductions in funding.

Categories of Support

The data presented here include all obligations for academic S&E: this comprises Federal obligations for R&D; R&D plant; facilities and equipment for S&E instruction; fellowships, traineeships, and training grants; general support for S&E; and other S&E activities. These support categories are defined below.

1. **Research and development** includes all direct, indirect, incidental, or related costs resulting from or necessary to performance of R&D by private individuals and organizations under grant, contract, or cooperative agreement. Demonstration projects designed to test or prove whether a technology or method is, in fact, workable are considered to be within the scope of R&D if they are designed to produce new information, and are accomplished within a given time period. The following activities are excluded from R&D, but should be reported under one or more of five other S&E categories:

   - Routine product testing
   - Quality control
   - Topographical mapping and surveys
   - Collection of general-purpose statistics
   - Experimental production
   - Demonstrations designed to exhibit new technologies or methods or disseminate information thereon
   - Scientific and technical information activities
   - R&D facilities and fixed equipment

   Research is systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research is classified as either basic or applied according to the objectives of the sponsoring agency. In **basic research**, the objective of the sponsoring agency is to generate knowledge of the underlying foundations of phenomena and of observable facts without specific applications toward processes or products in mind. In **applied research**, the objective of the sponsoring agency is the creation of knowledge or understanding necessary to determine the means by which a recognized and specific need may be met.

   Development is systematic use of knowledge and understanding gained from research directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes.

   Research equipment is any item (or interrelated collection of items comprising a system) of nonexpendable tangible property of software having a useful life of more than 2 years and an acquisition cost of $500 or more that is used wholly or in part for research. Research equipment is included under R&D.

2. **R&D plant** includes all projects whose principal purpose is to provide support for construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or fixed equipment for use in scientific or engineering *research and development*. A facility is to be interpreted broadly to include any physical resource important to the conduct of research or development. All costs—direct, indirect, and related expenditures—are to be included.

   If the R&D facilities are part of a larger facility devoted to other purposes as well, the funds should be distributed among the categories of support involved as appropriate. In general, another category that would be involved is category 3 (facilities and equipment for instruction in science and engineering).

   Exclude from the R&D plant category expendable research equipment and office furniture and equipment, and all other activities, i.e., those not specifically related to science and engineering. See definition of "research equipment" under "research and development" category.

3. **Facilities and equipment for instruction in S&E** include all programs whose principal pur-

pose is to provide support for construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in *instruction* in S&E.

If the instructional facilities are part of a larger facility devoted to other purposes as well, the funds should be distributed among the categories of support involved as appropriate. In general, the other category most likely to be involved is category 2 (R&D plant).

4. **Fellowships, traineeships, and training grants** include all fellowship, traineeship, and training grant programs that are directed primarily toward the development and maintenance of scientific and technical manpower. The total amounts pertaining to such awards (stipends and cost-of-education allowances) are reported in terms of the institution at which the recipient performs research and/or study. EXCLUDED are projects that support research and educational institutes, seminars, and conferences such as teacher training activities provided through teacher institutes, short courses, research participation, and in-service seminars; activities aimed at the development of educational techniques and materials for use in S&E training; and programs that provide special opportunities for increasing the scientific knowledge and experience of precollege and undergraduate students. These activities are to be reported either under category 6 (other activities related to S&E) or not reported if they are not S&E-related.

5. **General support for S&E** includes activities that provide support for nonspecific or generalized purposes related to scientific research and education. Such projects are generally oriented toward academic departments, institutes, or institutions as a whole. "General support" implies a spectrum of varying types of support. At one extreme is support provided without any specification of purpose other than that funds be used for scientific activities. Another kind of "general support" is to be found in projects that provide funds for activity within a specified field of S&E but without specification of explicit purpose. The distinguishing feature of "general support for S&E" projects is that they permit a significant measure of freedom as to purpose (research, faculty support, education, institutional support, etc.).

   It is intended that among the projects to be reported under the category "general support for S&E" are projects awarded through these agency programs:

   - NIH Minority Biomedical Research Support for Undergraduate Colleges
   - NIH Minority Biomedical Support Grants

6. **Other S&E activities** include all academic S&E activities that cannot meaningfully be assigned to one of the five categories previously set forth. Among the types of activities to be included in this category are support for scientific conferences and symposia, teacher institutes, and activities aimed at increasing the scientific knowledge of precollege and undergraduate students.

Types of Institutions

The types of institutions covered by this survey are universities and colleges, FFRDCs, and independent nonprofit institutions.

Universities and Colleges

Universities and colleges are those institutions of higher education in the United States that offer at least 1 year of college-level study leading toward a degree. The universe of academic institutions for this survey is derived from the higher education institution portion of the Department of Education's Integrated Postsecondary Education Data System (sponsored by the National Center for Education Statistics) and the *1999 Higher Education Directory* (published by Higher Education Publications, Inc.).

Institutions included are those that received Federal S&E support during FY 1998. This support can have been provided to any part of the academic institution—its colleges (e.g., of liberal arts) and schools (e.g., of agriculture), professional schools, hospitals, agricultural experiment stations, bureaus, offices, and research centers (excluding FFRDCs), whether located on or off the main campus or at branch campuses controlled directly by the parent institution. Further, the institutions included must have a significant degree of aca-

demic and administrative autonomy. For example, institutions within a system (a group of institutions having a collective legal status and generally recognized by a state government, a board of education, or other relevant organization) in which a significant degree of autonomy remains at the individual institution level are presented separately; however, obligations to branch campuses are included in the totals for the parent institutions. Obligations to the U.S. Department of Agriculture Graduate School are not included.

FFRDCs

FFRDCs are R&D-performing entities formed to meet a particular Federal R&D objective that cannot be met effectively by existing organizational resources. FFRDCs range from the traditional contractor-owned/contractor-operated or government-owned/contractor-operated organizational structures to various degrees of contractor/government control and ownership. The data are presented here for university-administered FFRDCs and nonprofit-administered FFRDCs. For a complete list of FFRDCs see page 11.

Independent Nonprofit Institutions

Independent nonprofit institutions are legal entities other than universities and colleges, privately organized or chartered to serve the public interest, and exempt from most forms of Federal taxation. Data presented for nonprofit institutions and for nonprofit-administered FFRDCs are obligations for R&D and R&D plant reported by as many as 19 participating agencies.

Coverage of the nonprofit sector in the Federal S&E support survey was expanded beginning in the late 1970s to include all types of nonprofit institutions that receive Federal R&D funds. For NSF's purposes, these types of institutions are defined as follows:

1. **Research institute:** A separately incorporated, independent nonprofit organization operating under the direction of its own controlling body whose primary function is the performance of R&D in S&E.

2. **Voluntary hospital:** This is a member of the American Hospital Association not subject to the control of either Federal, state, or local governments nor an integral part of any institution of higher education. Note that hospitals that have been set up by research institutes and that, although providing patient care, function primarily as laboratories for research institutes are themselves classified as research institutes.

3. **All other independent nonprofit institutions:**

   - **Professional or technical society or academy of science and engineering:** A voluntary association of individuals sharing a common interest in the advancement of knowledge—either within a single field or across a broad spectrum of disciplines—whose major function is to aid and encourage the collection, collation, and dissemination of S&E knowledge for the benefit of their members and the community as a whole.

   - **Private foundation:** A nongovernmental nonprofit organization, with a principal fund of its own managed by its own trustees or directors, established to maintain, aid, or facilitate social, educational, charitable, religious, or other activities serving the common welfare. Private foundations include operating foundations that allocate the greater proportion of their R&D budgets to intramural performance and philanthropic foundations that allocate most of their funds to grants and contracts for research to be performed extramurally.

   - **Science exhibitor:** A nonprofit organization whose primary goal is to expand scientific literacy within a community by providing exhibits that display and interpret the latest scientific findings within its field or fields. Included in this category are museums, zoos, botanical gardens, and arboretums.

   - **Trade association:** An organization of business competitors in a specific industry or business that is interested primarily in the commercial promotion of products or services. Membership is usually held in the name of a business entity. Activities may fall into one or more of the following areas: business ethics, management practices, standardization, commercial (statistical) research, publication, promotion, and public relations.

- **Agricultural cooperative:** An organization of individuals or business entities that are normally competitors in the production and sale of agricultural products. Activities may fall into one or more of the following areas: collective marketing or purchasing, research, public relations, and improvement of economic conditions for the U.S. farm population.

Consortia

Consortia are organizations formed by the membership of a number of institutions from one or more performers (academic, nonprofit, industrial, etc.) in order to promote and support efforts to enhance knowledge in one or more science or engineering disciplines. NSF has identified several consortia and has classified them as either academic or nonprofit types based on the predominance of their membership at the time of identification.

Data Comparability with Other SRS Studies

Federal Funds for Research and Development

Data presented here on R&D and R&D plant by agency sometimes conflict significantly with similar data presented in the annual NSF survey, Federal Funds for Research and Development (or the "Federal funds survey"). Much of the difference lies in the two surveys' treatment of interagency transfers. Interagency transfers of funds obligated to an academic or nonprofit institution are reported here by the agency that actually obligates the funds to the receiving institution. In the Federal funds survey, however, obligations are reported by the agency in which the funds originated.

Other differences between the data compiled by the two surveys stem from the following factors:

1. **Agencies involved:** In the present survey, data are reported by as many as 19 Federal agencies on their S&E obligations to institutions of higher education; these agencies together obligate virtually all Federal support to academic R&D. For the Federal funds survey, budget data on R&D and R&D plant are gathered from the 32 Federal agencies with such programs.

2. **Scope of information:** Data collected in the Federal S&E support survey pertain only to individual academic and nonprofit institutions. Those collected in the Federal funds survey relate to all types of performers. Furthermore, Federal funds survey data are detailed as to character of work (basic research, applied research, and development); data from the Federal S&E support survey are not comparably disaggregated.

3. **Data sources:** The two surveys rely on different sources of data and on different methods of data collection. For example, data for the Federal S&E support survey are generally processed from award files; Federal funds survey data are usually derived from agency budget documents.

4. **Preparer interpretations:** Several agencies rely on personnel from separate internal offices to respond to the two surveys. These respondents frequently differ in their interpretation of survey questions. The National Institutes of Health, for example, report Minority Biomedical Support Grants under "general support for science and engineering" in the Federal S&E support survey, but under "research and development" in the Federal funds survey.

National Patterns of R&D Resources

NSF publishes one other report related to Federal R&D funding, *National Patterns of R&D Resources*. This report provides statistics on U.S. R&D expenditures categorized by provider of funds (Federal Government, non-Federal Government, industry, academia, and nonprofit institutions), type of performer (Federal Government, industry, academia, nonprofit institutions, and federally funded research and development centers), and character of work (basic research, applied research, and development). In the report, R&D expenditure levels from Federal sources are based on performer-reported surveys, which differ from Federal R&D funding totals reported by the Federal agencies that provide those funds. During the past several years, these differences have widened. The difference in the Federal R&D totals appears to be concentrated in the funding of industry R&D by the Department of Defense. See *National Patterns of R&D Resources: 1998* (NSF 99-335) for detailed discussion and documentation of these differences.

Data Availability

Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions

Data published in this report are also available on the World Wide Web. Information on file formats and the years for which they are available can be found at http://www.nsf.gov/sbe/srs/fedsuppt/start.htm.

Integrated Academic Science and Engineering Database

Public-use tapes from the Integrated Academic Science and Engineering Database are available for purchase and will normally be shipped within 3 working days from order receipt. Data tapes from the most recent surveys (1998) are currently available; contact NSF's Division of Science Resources Studies at (703) 306-1772 to order.

Institutional Profiles

Selected data items for individual doctorate-granting institutions and schools with S&E departments that grant a master's degree are available on computer-generated institutional profiles. An institutional profile consists of data not only from this survey, but from NSF's other two academic S&E surveys: the Survey of Research and Development Expenditures at Universities and Colleges, and the Survey of Graduate Students and Postdoctorates in Science and Engineering.

WebCASPAR

Institutional researchers can obtain data from several academic S&E resources through the Web Computer-Aided Science Policy Analysis and Research (WebCASPAR) database system, which is an easy-to-use tool for the retrieval and analysis of statistical data on academic S&E resources.

WebCASPAR provides an extensive and growing data library with multiyear statistics on the state of higher education in general and on academic S&E resources specifically. This data library is based on a set of standard institutional and field-of-science definitions across the multiple sources used to develop the database. The WebCASPAR program includes built-in help capabilities to facilitate the use and interpretation of the data.

WebCASPAR data are drawn from a number of sources. All data are available for individual institutions, by state, and at the national level. Longitudinal data from surveys of universities and colleges conducted by NSF's Division of Science Resources Studies include the Federal S&E support survey, academic R&D expenditures survey, Federal funds survey, and graduate student survey cited above. Data from the Integrated Postsecondary Education Data System conducted by the National Center for Education Statistics are also included. Data from other sources include the National Research Council's assessment of research doctorate programs.

The latest version of WebCASPAR can be accessed via the World Wide Web at http://caspar.nsf.gov/webcaspar.

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS

The following is a list of federally funded research and development centers (FFRDCs) included in the Federal S&E support survey. The list is arranged by sponsoring agency and administering organization (in parentheses). Respondents reported under the FFRDC category funds that were obligated to the centers identified on this list.

DEPARTMENT OF DEFENSE

OFFICE OF THE SECRETARY OF DEFENSE[1]

Administered by other nonprofit institutions[2]

Institute for Defense Analyses Studies and Analyses FFRDC (Institute for Defense Analyses), Alexandria, VA

Logistics Management Institute (Logistics Management Institute), McLean, VA[3]

National Defense Research Institute (RAND Corp.[4]), Santa Monica, CA

C3I Federally Funded Research and Development Center (MITRE Corp.[5]), Bedford, MA, and McLean, VA

Administered by universities and colleges[6]

Software Engineering Institute (Carnegie Mellon University), Pittsburgh, PA[7]

NATIONAL SECURITY AGENCY

Administered by other nonprofit institutions[2]

Institute for Defense Analyses Communications and Computing Federally Funded Research and Development Center[7] (Institute for Defense Analyses), Alexandria, VA

DEPARTMENT OF THE NAVY

Administered by other nonprofit institutions[2]

Center for Naval Analyses, (The CNA Corp.), Alexandria, VA

DEPARTMENT OF THE AIR FORCE

Administered by universities and colleges[6]

Lincoln Laboratory (Massachusetts Institute of Technology), Lexington, MA

Administered by other nonprofit institutions[2]

Aerospace Federally Funded Research and Development Center (The Aerospace Corp.), El Segundo, CA

Project Air Force (RAND Corp.[4]), Santa Monica, CA

DEPARTMENT OF THE ARMY

Administered by other nonprofit institutions[2]

Arroyo Center (RAND Corp.[4]), Santa Monica, CA

DEPARTMENT OF ENERGY

Administered by universities and colleges[6]

Ames Laboratory (Iowa State University of Science and Technology), Ames, IA

Argonne National Laboratory (University of Chicago), Argonne, IL

Ernest Orlando Lawrence Berkeley National Laboratory (University of California), Berkeley, CA

Fermi National Accelerator Laboratory (Universities Research Association, Inc.), Batavia, IL

Lawrence Livermore National Laboratory (University of California), Livermore, CA

Los Alamos National Laboratory (University of California), Los Alamos, NM

Oak Ridge Institute for Science and Education (Oak Ridge Associated Universities, Inc.), Oak Ridge, TN

Princeton Plasma Physics Laboratory (Princeton University), Princeton, NJ

Stanford Linear Accelerator Center (Leland Stanford Junior University), Stanford, CA

Thomas Jefferson National Accelerator Facility[9] (Southeastern Universities Research Association, Inc.), Newport News, VA

Administered by other nonprofit institutions[2]

Brookhaven National Laboratory (Brookhaven Science Associates, Inc.[8]), Upton, Long Island, NY

National Renewable Energy Laboratory[10] (Midwest Research Institute), Golden, CO

Pacific Northwest National Laboratory (Battelle Memorial Institute), Richland, WA

National Aeronautics and Space Administration

Administered by universities and colleges[6]
Jet Propulsion Laboratory (California Institute of Technology), Pasadena, CA

National Science Foundation

Administered by universities and colleges[6]
National Astronomy and Ionosphere Center (Cornell University), Arecibo, PR

National Center for Atmospheric Research (University Corp. for Atmospheric Research), Boulder, CO

National Optical Astronomy Observatories[11] (Association of Universities for Research in Astronomy, Inc.), Tucson, AZ

National Radio Astronomy Observatory (Associated Universities, Inc.), Green Bank, WV

Administered by other nonprofit institutions[2]
Critical Technologies Institute (RAND Corp.[4]), Washington, DC

Nuclear Regulatory Commission

Administered by other nonprofit institutions[2]
Center for Nuclear Waste Regulatory Analyses (Southwest Research Institute), San Antonio, TX

Department of Transportation

Federal Aviation Administration

Administered by other nonprofit institutions[2]
Center for Advanced Aviation System Development (MITRE Corp.[5]), McLean, VA

Department of the Treasury

Internal Revenue Service

Administered by other nonprofit institutions[2]
Tax Systems Modernization Institute (IIT Research Institute), Lanham, MD

Endnotes

1. In June 1997, the Office of the Secretary of Defense replaced the Defense Advanced Research Projects Agency as sponsor of the Software Engineering Institute.
2. That is, other than universities and colleges
3. Logistics Management Institute (LMI) moved from Bethesda, MD, to McLean, VA, in May 1994.
4. The following portions of the RAND Corp. are FFRDCs: Project Air Force, National Defense Research Institute (formerly Defense/Office of the Joint Chiefs of Staff), the Arroyo Center, and the Critical Technologies Institute. All other agency support to RAND is reported under nonprofit institutions.
5. Only the C3I Federally Funded Research and Development Center and the Center for Advanced Aviation System Development parts of the MITRE Corp. are FFRDCs. All other agency support to MITRE is reported under nonprofit institutions.
6. Includes university consortia
7. Although the Institute for Defense Analyses Communications and Computing FFRDC has been in existence since 1956, the Department of Defense added it to the Master Government List of FFRDCs for the first time in October 1995.
8. On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.
9. In May 1996, the name was changed from Continuous Electron Beam Accelerator Facility.
10. In September 1991, the name was changed from Solar Energy Research Institute.
11. Since February 1984, this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory, and the National Solar Observatory (formerly Sacramento Peak Observatory).

NOTE: The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX, as an FFRDC in November 1993. All obligations previously reported to this institution should be reported under universities and colleges.

SECTION B.

DETAILED STATISTICAL TABLES: FEDERAL SCIENCE AND ENGINEERING OBLIGATIONS

To obtain accurate historical data, use only the latest detailed statistical tables (covering FY 1998) and not data published earlier. Data presented in trend tables are assembled from the most recent completed survey cycle. Data for prior years are reviewed for consistency with current-year responses and, when necessary, are revised in consultation with agencies and/or institutions. For that reason, references to prior-years' data should be restricted to those published in this document.

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[Dollars in thousands]

Fiscal year	Total	Research and development [1]	R&D plant [2]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities [1]
1963	1,328,511	829,524	105,896	[3]	[3]	[3]	393,091
1964	1,528,604	975,597	100,837	[3]	[3]	[3]	452,170
1965	1,816,171	1,094,963	126,196	[3]	[3]	[3]	595,012
1966	2,163,504	1,252,146	114,767	[3]	365,560	[3]	431,031
1967	2,323,795	1,301,242	111,309	[3]	447,236	[3]	464,008
1968	2,349,817	1,398,305	96,148	[3]	440,895	[3]	414,469
1969	2,361,399	1,474,681	54,516	[3]	436,270	[3]	395,932
1970	2,187,579	1,446,618	44,778	[3]	429,408	[3]	266,775
1971	2,343,129	1,551,391	29,942	28,729	421,029	99,669	212,369
1972	2,599,111	1,853,085	36,917	26,341	387,888	83,288	211,592
1973	2,464,362	1,870,690	43,338	13,372	287,210	38,964	210,788
1974	2,736,984	2,085,204	29,009	3,506	326,600	86,974	205,691
1975	2,805,877	2,246,182	44,787	5,026	201,273	46,353	262,256
1976	2,959,656	2,430,970	23,899	3,210	174,871	74,483	252,223
1977	3,351,337	2,803,017	36,471	3,282	184,671	75,928	247,968
1978	3,962,500	3,388,438	34,328	4,906	205,925	74,398	254,505
1979	4,473,529	3,874,384	32,068	6,74[illegible]	204,866	92,483	262,985
1980	4,790,972	4,160,543	37,780	3,776	210,121	91,541	287,211
1981	5,062,856	4,410,931	27,694	4,563	205,448	92,721	321,499
1982	5,179,610	4,554,475	31,200	829	176,582	80,137	336,387
1983	5,680,699	5,024,398	37,547	2,522	189,616	94,847	331,769
1984	6,308,014	5,448,821	49,764	1,889	194,895	112,588	500,057
1985	7,257,862	6,246,181	113,932	4,947	253,082	119,171	520,549
1986	7,431,624	6,457,495	105,827	4,990	246,196	111,130	505,986
1987	8,568,215	7,241,932	229,875	13,722	290,942	236,933	554,811
1988	9,138,149	7,721,109	202,907	13,345	309,348	171,826	719,614
1989	10,080,452	8,528,387	237,010	16,911	340,458	197,745	759,941
1990	10,470,816	9,016,672	141,651	19,241	393,820	143,917	755,515
1991	11,907,557	10,091,898	163,349	32,792	469,297	192,823	957,398
1992	12,838,077	10,926,788	209,173	38,983	511,127	160,166	991,840
1993	12,834,791	11,025,098	259,421	33,247	526,331	66,827	923,867
1994	13,867,144	11,898,103	216,558	48,734	633,228	136,555	933,966
1995	14,461,050	12,180,859	341,343	51,581	674,464	263,992	948,811
1996	14,449,919	12,345,709	248,222	49,023	636,293	219,008	951,664
1997	15,095,984	13,019,428	275,955	29,889	676,610	170,843	923,259
1998	16,031,984	13,847,428	156,582	22,684	757,106	207,005	1,041,179

[1] See Technical Notes, "Changes in Reporting."

[2] See Technical Notes, "Categories of Support."

[3] Not separately identified, but included under "Other S&E activities."

NOTE: Some trend shifts are related to institutional reclassification. Beginning in fiscal year (FY) 1978, two laboratories that were formerly considered academically administered federally funded research and development centers became part of their respective institutions: Applied Physics Laboratory (Johns Hopkins University) and Applied Research Laboratory (Pennsylvania State University). Data for these laboratories are included in the academic figures beginning in FY 1978. Similarly, Draper Laboratories separated from the Massachusetts Institute of Technology (MIT) as of FY 1974 to become an independent nonprofit institution; data for this laboratory are included in MIT's figures prior to FY 1974.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Total	USDA	ARC	Com	DoD [1]	OEO	ED [1]	DOE [2]	EPA	GSA	HHS [3]	HUD
	Total											
1963	1,328.5	104.0	NA	1.8	218.0	NA	NA	76.1	NA	NA	581.0	NA
1964	1,528.6	115.0	NA	1.7	258.1	NA	NA	79.9	NA	NA	683.8	NA
1965	1,816.2	135.6	NA	2.6	267.9	NA	NA	84.4	NA	NA	856.5	NA
1966	2,163.5	141.0	NA	2.8	278.0	NA	NA	96.9	NA	NA	1,109.2	NA
1967	2,323.8	144.8	NA	4.4	264.1	NA	NA	109.6	NA	NA	1,251.0	NA
1968	2,349.8	144.2	NA	8.0	243.1	12.5	NA	119.7	NA	NA	1,229.4	1.7
1969	2,361.4	155.9	NA	2.2	278.7	9.3	NA	121.0	NA	NA	1,261.8	1.1
1970	2,187.6	182.1	NA	3.9	265.5	18.9	NA	114.5	NA	NA	1,036.7	.5
1971	2,343.1	214.6	NA	7.6	249.0	16.4	NA	105.8	27.2	NA	1,142.3	.7
1972	2,599.1	238.6	NA	26.0	243.9	8.3	NA	95.4	23.3	NA	1,318.4	1.5
1973	2,464.4	256.8	NA	28.4	232.9	8.7	NA	96.2	27.7	NA	1,225.0	.9
1974	2,737.0	260.7	NA	29.4	184.4	4.1	NA	99.5	30.9	NA	1,515.4	.6
1975	2,805.9	290.7	NA	25.8	190.5	NA	NA	124.3	38.8	NA	1,467.4	2.3
1976	2,959.7	328.6	NA	38.2	211.9	NA	NA	144.1	33.0	NA	1,522.2	1.4
1977	3,351.3	343.2	NA	32.5	267.3	NA	NA	208.1	46.3	NA	1,686.5	4.3
1978	3,962.5	391.7	NA	35.9	452.3	NA	NA	267.2	57.4	NA	1,900.8	10.5
1979	4,473.5	422.5	NA	48.0	528.7	NA	NA	273.9	66.9	NA	2,216.0	4.0
1980	4,791.0	444.1	NA	51.6	555.9	NA	48.0	309.6	81.5	NA	2,281.1	4.3
1981	5,062.9	491.4	NA	51.8	726.0	NA	56.1	310.4	67.5	NA	2,363.6	3.0
1982	5,179.6	529.7	NA	40.6	857.3	NA	35.6	288.2	83.8	NA	2,332.8	2.6
1983	5,680.7	566.0	NA	51.0	940.3	NA	34.9	320.0	50.3	NA	2,602.2	1.5
1984	6,308.0	607.4	NA	105.8	954.6	NA	43.6	348.4	51.9	NA	2,934.1	.2
1985	7,257.9	652.8	NA	81.2	1,061.1	NA	69.6	451.7	65.2	NA	3,440.0	.2
1986	7,431.6	620.7	NA	70.3	1,206.2	NA	74.0	420.5	70.8	NA	3,536.0	.1
1987	8,568.2	674.7	NA	88.8	1,278.5	NA	280.8	475.2	74.3	NA	4,195.3	.1
1988	9,138.1	741.7	NA	81.4	1,377.4	NA	255.6	536.4	66.2	NA	4,486.2	**
1989	10,080.5	721.7	NA	76.4	1,486.4	NA	269.6	566.4	85.8	NA	4,916.8	.0
1990	10,470.8	762.1	NA	116.1	1,342.2	NA	260.1	556.5	93.6	16.8	5,200.7	.1
1991	11,907.6	867.6	NA	124.0	1,540.7	NA	354.1	662.2	116.0	11.3	5,822.6	**
1992	12,838.1	948.9	NA	132.3	1,511.2	NA	402.3	706.7	150.0	4.5	6,281.6	.2
1993	12,834.8	948.3	NA	109.8	1,835.6	NA	156.4	737.1	152.7	.0	6,093.4	.4
1994	13,867.1	945.3	NA	163.0	1,890.4	NA	170.9	636.4	144.6	.2	6,970.7	.8
1995	14,461.0	952.5	NA	183.4	1,852.1	NA	187.9	637.4	164.6	5.1	7,117.8	1.7
1996	14,449.9	875.9	NA	210.9	1,785.8	NA	175.3	656.1	103.3	.1	7,429.1	1.9
1997	15,096.0	980.4	NA	221.8	1,712.8	NA	171.2	647.6	163.5	**	7,936.8	2.7
1998	16,032.0	872.1	0.3	205.9	1,710.6	NA	242.6	632.5	186.0	.0	8,629.1	.7

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Int	AID [4]	OJP	Labor	NASA	NSF	NRC	SSA	DOS	DOT
	Total									
1963	3.8	NA	NA	NA	87.4	256.3	NA	NA	NA	NA
1964	5.0	NA	NA	NA	107.6	277.5	NA	NA	NA	NA
1965	9.6	NA	NA	NA	134.3	325.2	NA	NA	NA	NA
1966	19.0	NA	NA	NA	142.2	374.5	NA	NA	NA	NA
1967	23.9	NA	NA	NA	131.5	394.5	NA	NA	NA	NA
1968	28.2	NA	NA	6.6	129.8	422.8	NA	NA	NA	3.7
1969	24.3	3.9	NA	9.1	127.2	367.0	NA	NA	NA	NA
1970	27.7	5.5	NA	3.5	131.2	387.4	NA	NA	NA	10.1
1971	22.6	19.1	NA	5.2	134.1	387.7	NA	NA	NA	10.8
1972	24.3	18.7	NA	7.3	119.0	458.7	NA	NA	NA	15.9
1973	23.7	10.7	NA	6.3	111.4	419.6	NA	NA	NA	15.9
1974	23.8	19.9	NA	7.1	98.9	449.6	NA	NA	NA	12.8
1975	28.8	12.4	NA	5.5	108.0	490.5	**	NA	NA	20.8
1976	28.2	13.5	NA	4.5	118.9	496.3	3.2	NA	NA	15.7
1977	29.5	24.4	NA	7.2	121.0	565.8	4.5	NA	NA	10.9
1978	42.5	28.1	NA	12.6	130.5	607.1	8.4	NA	NA	17.5
1979	40.1	28.5	NA	11.1	143.9	671.6	6.9	NA	NA	11.4
1980	42.4	38.6	NA	10.3	171.2	726.4	7.0	NA	NA	19.1
1981	34.2	31.3	NA	12.8	183.5	695.1	7.4	NA	NA	28.5
1982	28.3	50.4	NA	8.4	176.9	728.1	5.0	NA	NA	12.0
1983	32.0	43.4	NA	6.4	203.8	798.8	4.7	NA	NA	25.4
1984	32.2	56.3	NA	3.1	216.6	935.6	4.6	NA	NA	13.6
1985	33.1	57.0	NA	3.4	251.0	1,078.7	5.4	NA	NA	7.6
1986	40.9	44.3	NA	3.7	270.3	1,056.6	3.8	NA	NA	13.6
1987	39.4	53.3	NA	8.3	309.9	1,070.2	3.9	NA	NA	15.3
1988	41.6	48.5	NA	8.0	364.5	1,102.9	3.6	NA	NA	24.2
1989	56.2	65.3	NA	6.5	462.7	1,337.3	4.3	NA	NA	25.1
1990	60.5	47.4	NA	8.6	513.0	1,446.0	4.6	NA	NA	42.6
1991	82.8	31.9	NA	5.8	596.2	1,642.8	5.4	NA	NA	44.1
1992	79.7	27.6	NA	9.2	688.2	1,831.5	5.9	NA	NA	58.3
1993	77.7	11.5	NA	6.6	731.8	1,870.0	4.8	NA	NA	98.8
1994	64.3	12.8	NA	4.8	746.2	2,043.4	6.3	NA	NA	67.0
1995	54.5	167.6	NA	6.0	832.8	2,211.3	6.0	NA	NA	80.3
1996	44.6	107.7	10.2	5.8	770.8	2,205.7	3.8	0.7	NA	62.2
1997	58.2	26.2	16.9	4.6	824.4	2,248.5	5.1	.4	.0	75.0
1998	65.9	33.9	19.9	6.2	924.1	2,448.3	5.2	5.0	.0	43.8

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Total	USDA	ARC	Com	DoD [1]	OEO	ED [1]	DOE [2]	EPA	GSA	HHS [3]	HUD
	Research and development											
1963	829.5	40.6	NA	1.5	218.0	NA	NA	68.3	NA	NA	332.9	NA
1964	975.6	47.5	NA	1.1	258.1	NA	NA	70.5	NA	NA	399.2	NA
1965	1,095.0	59.1	NA	2.1	267.9	NA	NA	74.8	NA	NA	441.9	NA
1966	1,252.1	62.9	NA	2.1	278.0	NA	NA	83.2	NA	NA	507.3	NA
1967	1,301.2	64.0	NA	3.4	264.1	NA	NA	89.7	NA	NA	577.0	NA
1968	1,398.3	62.2	NA	6.7	243.1	12.5	NA	101.8	NA	NA	619.1	1.0
1969	1,474.7	63.6	NA	1.7	278.7	9.3	NA	103.1	NA	NA	667.1	1.0
1970	1,446.6	67.4	NA	3.2	265.5	18.9	NA	101.4	NA	NA	614.9	.5
1971	1,551.4	74.8	NA	6.9	249.0	16.4	NA	95.9	17.0	NA	695.7	.7
1972	1,853.1	88.6	NA	23.6	243.9	8.3	NA	86.9	17.7	NA	879.3	1.5
1973	1,870.7	93.8	NA	24.9	232.9	8.7	NA	85.2	18.6	NA	903.8	.9
1974	2,085.2	96.7	NA	26.6	184.4	3.4	NA	94.6	24.1	NA	1,129.0	.6
1975	2,246.2	110.5	NA	22.2	190.5	NA	NA	119.2	33.8	NA	1,205.3	2.3
1976	2,431.0	124.2	NA	29.0	211.9	NA	NA	138.1	29.3	NA	1,296.2	1.4
1977	2,803.0	142.2	NA	32.2	267.3	NA	NA	187.2	45.0	NA	1,452.1	4.3
1978	3,388.4	175.3	NA	35.0	452.3	NA	NA	251.1	53.8	NA	1,657.6	10.5
1979	3,874.4	193.8	NA	46.5	528.7	NA	NA	256.4	61.1	NA	1,966.5	4.0
1980	4,160.5	211.8	NA	50.4	555.9	NA	48.0	279.6	76.9	NA	2,025.6	4.3
1981	4,410.9	241.4	NA	51.1	700.5	NA	56.1	281.8	64.2	NA	2,112.8	3.0
1982	4,554.5	256.5	NA	39.7	813.7	NA	35.6	265.2	78.1	NA	2,110.6	.5
1983	5,024.4	273.9	NA	50.1	913.4	NA	34.9	296.6	45.3	NA	2,360.3	1.1
1984	5,448.8	273.0	NA	75.6	827.8	NA	43.6	317.1	47.3	NA	2,681.4	.2
1985	6,246.2	300.4	NA	79.7	908.9	NA	69.6	373.1	61.9	NA	3,098.6	.2
1986	6,457.5	290.1	NA	68.3	1,055.0	NA	72.2	346.9	67.9	NA	3,212.1	.1
1987	7,241.9	296.0	NA	87.6	1,098.9	NA	85.2	371.7	67.1	NA	3,835.3	.1
1988	7,721.1	321.3	NA	75.8	1,194.2	NA	69.6	407.9	64.1	NA	4,128.3	**
1989	8,528.4	336.0	NA	68.4	1,220.6	NA	68.6	449.8	77.5	NA	4,512.6	.0
1990	9,016.7	349.1	NA	102.9	NA	NA	71.1	497.1	87.1	.0	4,776.8	.1
1991	10,091.9	408.9	NA	63.9	NA	NA	94.5	614.1	104.4	.0	5,358.3	**
1992	10,926.8	469.4	NA	70.0	NA	NA	104.6	633.5	135.4	.0	5,855.6	.2
1993	11,025.1	468.2	NA	58.4	NA	NA	94.8	603.0	142.6	.0	5,680.2	.4
1994	11,898.1	474.8	NA	84.2	NA	NA	49.2	603.5	134.6	.0	6,482.9	.8
1995	12,180.9	446.1	NA	102.6	NA	NA	67.5	603.2	148.8	.0	6,593.2	1.7
1996	12,345.7	395.4	NA	115.1	NA	NA	68.6	633.0	89.6	.0	6,879.8	1.9
1997	13,019.4	485.8	NA	116.6	NA	NA	64.2	628.0	148.3	.0	7,340.9	2.7
1998	13,847.4	433.9	0.3	101.6	NA	NA	98.3	611.4	168.1	.0	7,971.9	.7

See explanatory information, if any, and SOURCE at end of table.

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Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Int	AID [4]	OJP	Labor	NASA	NSF	NRC	SSA	DOS	DOT
	Research and development									
1963	3.8	NA	NA	NA	59.8	104.6	NA	NA	NA	NA
1964	5.0	NA	NA	NA	78.2	115.8	NA	NA	NA	NA
1965	9.5	NA	NA	NA	100.6	139.2	NA	NA	NA	NA
1966	18.7	NA	NA	NA	107.4	192.5	NA	NA	NA	NA
1967	23.9	NA	NA	NA	109.0	170.2	NA	NA	NA	NA
1968	27.8	NA	NA	6.6	126.1	187.7	NA	NA	NA	3.7
1969	23.5	3.9	NA	9.1	122.3	191.5	NA	NA	NA	NA
1970	27.1	5.5	NA	3.5	127.4	201.2	NA	NA	NA	10.1
1971	21.3	17.1	NA	3.3	128.5	216.9	NA	NA	NA	8.0
1972	23.0	13.5	NA	7.3	112.4	334.7	NA	NA	NA	12.4
1973	22.2	8.4	NA	5.0	102.6	348.5	NA	NA	NA	15.2
1974	22.2	18.4	NA	5.6	92.0	376.1	NA	NA	NA	11.5
1975	27.2	8.3	NA	4.0	100.2	404.6	.0	NA	NA	18.1
1976	25.7	10.7	NA	3.0	106.8	436.6	3.2	NA	NA	14.9
1977	27.4	20.2	NA	7.2	113.7	491.0	3.8	NA	NA	9.6
1978	34.3	24.9	NA	12.6	124.7	531.5	8.4	NA	NA	16.4
1979	35.3	28.0	NA	11.1	137.2	587.8	6.5	NA	NA	11.4
1980	38.8	38.6	NA	10.3	161.3	633.9	6.1	NA	NA	19.1
1981	30.2	31.3	NA	12.8	173.9	616.8	7.0	NA	NA	27.8
1982	21.5	50.4	NA	8.4	167.7	689.8	5.0	NA	NA	11.7
1983	20.8	43.4	NA	6.4	189.4	759.1	4.7	NA	NA	25.1
1984	32.2	56.3	NA	3.1	203.8	869.6	4.6	NA	NA	13.2
1985	32.9	57.0	NA	3.4	237.3	1,011.1	4.9	NA	NA	7.2
1986	40.9	44.3	NA	3.7	254.0	984.7	3.8	NA	NA	13.3
1987	39.4	53.3	NA	8.3	293.7	988.2	3.9	NA	NA	13.2
1988	39.1	48.5	NA	8.0	340.3	999.2	3.6	NA	NA	21.3
1989	52.8	65.3	NA	5.5	436.5	1,207.6	4.3	NA	NA	21.9
1990	57.8	47.4	NA	8.6	472.5	1,305.5	4.6	NA	NA	39.2
1991	70.2	31.9	NA	5.8	537.0	1,439.2	5.4	NA	NA	33.9
1992	67.6	27.6	NA	9.0	590.2	1,605.5	5.9	NA	NA	36.4
1993	69.8	11.5	NA	6.2	604.0	1,616.6	4.8	NA	NA	75.9
1994	63.8	12.8	NA	4.5	640.6	1,680.5	6.3	NA	NA	57.5
1995	54.0	25.4	NA	5.9	710.2	1,733.1	6.0	NA	NA	72.4
1996	43.4	20.0	9.8	5.8	684.1	1,738.1	3.8	0.7	NA	55.8
1997	57.6	11.7	16.9	4.6	729.2	1,816.8	5.1	.4	.0	71.1
1998	65.9	10.0	19.9	6.2	790.9	1,973.0	5.2	5.0	.0	38.1

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Total	USDA	ARC	Com	DoD [1]	OEO	ED [1]	DOE [2]	EPA	GSA	HHS [3]	HUD
	DoD research only [5]											
1990	NA	NA	NA	NA	720.6	NA	NA	NA	NA	NA	NA	NA
1991	NA	NA	NA	NA	841.6	NA	NA	NA	NA	NA	NA	NA
1992	NA	NA	NA	NA	840.4	NA	NA	NA	NA	NA	NA	NA
1993	NA	NA	NA	NA	1,131.5	NA	NA	NA	NA	NA	NA	NA
1994	NA	NA	NA	NA	1,257.3	NA	NA	NA	NA	NA	NA	NA
1995	NA	NA	NA	NA	1,107.4	NA	NA	NA	NA	NA	NA	NA
1996	NA	NA	NA	NA	1,134.6	NA	NA	NA	NA	NA	NA	NA
1997	NA	NA	NA	NA	1,039.4	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	1,090.0	NA	NA	NA	NA	NA	NA	NA
	DoD development only [5]											
1990	NA	NA	NA	NA	476.3	NA	NA	NA	NA	NA	NA	NA
1991	NA	NA	NA	NA	482.7	NA	NA	NA	NA	NA	NA	NA
1992	NA	NA	NA	NA	475.5	NA	NA	NA	NA	NA	NA	NA
1993	NA	NA	NA	NA	456.9	NA	NA	NA	NA	NA	NA	NA
	DoD advanced technology development [5]											
1994	NA	NA	NA	NA	157.5	NA	NA	NA	NA	NA	NA	NA
1995	NA	NA	NA	NA	152.9	NA	NA	NA	NA	NA	NA	NA
1996	NA	NA	NA	NA	179.9	NA	NA	NA	NA	NA	NA	NA
1997	NA	NA	NA	NA	188.8	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	206.4	NA	NA	NA	NA	NA	NA	NA
	DoD major systems development [5]											
1994	NA	NA	NA	NA	187.2	NA	NA	NA	NA	NA	NA	NA
1995	NA	NA	NA	NA	350.4	NA	NA	NA	NA	NA	NA	NA
1996	NA	NA	NA	NA	286.1	NA	NA	NA	NA	NA	NA	NA
1997	NA	NA	NA	NA	290.6	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	250.5	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

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Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Total	USDA	ARC	Com	DoD [1]	OEO	ED [1]	DOE [2]	EPA	GSA	HHS [3]	HUD
	R&D plant [6]											
1963	105.9	.0	NA	.0	.0	NA	NA	2.6	NA	NA	39.2	NA
1964	100.8	.0	NA	.0	.0	NA	NA	4.0	NA	NA	39.9	NA
1965	126.2	3.2	NA	.0	.0	NA	NA	3.8	NA	NA	54.8	NA
1966	114.8	2.0	NA	.0	.0	NA	NA	7.4	NA	NA	48.5	NA
1967	111.3	2.0	NA	0.3	.0	NA	NA	13.8	NA	NA	38.1	NA
1968	96.1	1.9	NA	.2	.0	.0	NA	11.9	NA	NA	36.9	.0
1969	54.5	1.2	NA	.0	.0	.0	NA	11.4	NA	NA	20.5	.0
1970	44.8	1.1	NA	**	.0	.0	NA	7.1	NA	NA	20.0	.0
1971	29.9	.0	NA	.0	.0	.0	NA	4.8	.0	NA	15.2	.0
1972	36.9	.0	NA	.0	.0	.0	NA	4.1	.0	NA	22.2	.0
1973	43.3	.0	NA	.3	.0	.0	NA	5.6	.0	NA	26.7	.0
1974	29.0	.0	NA	.0	.0	.0	NA	4.2	.0	NA	14.5	.0
1975	44.8	.0	NA	.0	.0	NA	NA	4.2	.0	NA	22.9	.0
1976	23.9	.0	NA	1.0	.0	NA	NA	5.6	.0	NA	11.4	.0
1977	36.5	.0	NA	.0	.0	NA	NA	17.5	.0	NA	11.1	.0
1978	34.3	.0	NA	.0	.0	NA	NA	13.4	**	NA	9.9	.0
1979	32.1	.0	NA	.0	.0	NA	NA	9.1	.0	NA	7.5	.0
1980	37.8	.0	NA	.0	.0	NA	.0	20.6	.0	NA	4.4	.0
1981	27.7	.0	NA	.0	1.1	NA	.0	19.6	.0	NA	2.0	.0
1982	31.2	.0	NA	.0	.5	NA	.0	18.8	1.4	NA	5.4	.0
1983	37.5	9.6	NA	.0	.0	NA	.0	17.2	.1	NA	1.5	0
1984	49.8	9.6	NA	.0	.0	NA	.0	29.5	.1	NA	.7	.0
1985	113.9	9.6	NA	.0	**	NA	.0	77.7	.1	NA	11.4	.0
1986	105.8	9.1	NA	1.2	.0	NA	1.8	73.0	.0	NA	4.2	.0
1987	229.9	65.4	NA	.1	.0	NA	49.2	102.9	.0	NA	4.2	.0
1988	202.9	68.0	NA	.0	.0	NA	1.3	127.7	.0	NA	.0	.0
1989	237.0	31.1	NA	1.2	57.9	NA	1.3	115.5	.0	NA	22.0	.0
1990	141.7	45.1	NA	.1	.0	NA	.0	57.2	0	16.8	13.7	.0
1991	163.3	58.3	NA	.3	14.7	NA	2.1	41.4	.0	11.3	25.7	.0
1992	209.2	58.3	NA	.2	.0	NA	.4	63.7	.0	4.5	17.2	0
1993	259.4	55.1	NA	.4	.0	NA	.0	120.2	.0	.0	10.6	.0
1994	216.6	38.9	NA	.3	.3	NA	.0	24.8	.0	.2	16.3	.0
1995	341.3	66.9	NA	2.0	5.8	NA	.0	15.5	0	5.1	12.3	.0
1996	248.2	51.0	NA	.0	2.3	NA	.0	16.4	0	.1	17.7	.0
1997	276.0	59.2	NA	3.7	12.3	NA	.0	13.1	.0	**	39.0	.0
1998	156.6	.0	.0	2.1	.4	NA	.0	11.8	.0	.0	21.4	.0

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Int	AID [4]	OJP	Labor	NASA	NSF	NRC	SSA	DOS	DOT
	R&D plant [6]									
1963	0.1	NA	NA	NA	13.4	50.6	NA	NA	NA	NA
1964	.0	NA	NA	NA	9.1	47.8	NA	NA	NA	NA
1965	**	NA	NA	NA	8.4	56.0	NA	NA	NA	NA
1966	.2	NA	NA	NA	7.4	49.3	NA	NA	NA	NA
1967	.0	NA	NA	NA	5.0	52.1	NA	NA	NA	NA
1968	.0	NA	NA	.0	.0	45.3	NA	NA	NA	.0
1969	**	.0	NA	.0	.0	21.4	NA	NA	NA	NA
1970	.0	.0	NA	.0	.0	16.5	NA	NA	NA	.0
1971	.0	.0	NA	.0	.2	9.7	NA	NA	NA	.0
1972	.0	.0	NA	.0	.6	10.0	NA	NA	NA	.0
1973	.2	.0	NA	.0	3.0	7.4	NA	NA	NA	.0
1974	.0	.0	NA	.0	.1	10.2	NA	NA	NA	.0
1975	.0	.0	NA	.0	.1	17.6	.0	NA	NA	.0
1976	.0	.0	NA	.0	.1	5.9	.0	NA	NA	.0
1977	.0	.0	NA	.0	**	7.3	.0	NA	NA	0.5
1978	.0	.0	NA	.0	.0	11.0	.0	NA	NA	**
1979	.0	0.5	NA	.0	.2	14.7	.0	NA	NA	.0
1980	.0	.0	NA	.0	.2	12.6	0	NA	NA	.0
1981	.0	.0	NA	.0	.1	4.9	.0	NA	NA	.0
1982	.0	.0	NA	.0	.2	4.9	.0	NA	NA	.0
1983	.0	.0	NA	.0	1.5	7.7	.0	NA	NA	.0
1984	.0	.0	NA	.0	.3	9.7	.0	NA	NA	.0
1985	.0	.0	NA	.0	.2	14.9	.0	NA	NA	.0
1986	.0	.0	NA	.0	.4	16.0	.0	NA	NA	.0
1987	.0	.0	NA	.0	.6	7.4	.0	NA	NA	.0
1988	.0	.0	NA	.0	.6	5.4	.0	NA	NA	.0
1989	.0	.0	NA	.0	1.2	6.7	.0	NA	NA	.0
1990	.0	.0	NA	.0	1.3	7.5	.0	NA	NA	.0
1991	.0	.0	NA	.0	.8	8.8	.0	NA	NA	.0
1992	.0	.0	NA	.0	1.1	63.8	.0	NA	NA	.0
1993	.0	.0	NA	.0	9.9	63.3	.0	NA	NA	.0
1994	.1	.0	NA	.0	20.0	113.7	0	NA	NA	2.0
1995	.0	.0	NA	0.1	15.8	216.8	.0	NA	NA	1.1
1996	.0	.0	.0	.0	.0	159.6	.0	.0	NA	1.2
1997	.0	.0	.0	.0	.7	146.2	.0	.0	.0	1.7
1998	.0	.0	.0	.0	.0	120.7	.0	.0	.0	.1

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Total	USDA	ARC	Com	DoD [1]	OEO	ED [1]	DOE [2]	EPA	GSA	HHS [3]	HUD
	Facilities for instruction in S&E											
1971[7]	28.7	0.3	NA	.0	.0	.0	NA	2.3	.0	NA	13.9	.0
1972	26.3	.5	NA	.0	.0	.0	NA	1.9	.0	NA	20.9	.0
1973	13.4	.0	NA	.0	.0	.0	NA	2.3	.0	NA	9.4	.0
1974	3.5	.0	NA	.0	.0	.0	NA	.0	.0	NA	.4	.0
1975	5.0	.0	NA	0.1	.0	NA	NA	.0	.0	NA	4.9	.0
1976	3.2	.0	NA	.3	.0	NA	NA	.0	.0	NA	.0	.0
1977	3.3	.0	NA	.0	.0	NA	NA	.4	.0	NA	.0	.0
1978	4.9	.0	NA	.0	.0	NA	NA	1.3	.0	NA	.0	.0
1979	6.7	.0	NA	.0	.0	NA	NA	3.5	.0	NA	.0	.0
1980	3.8	.0	NA	.0	.0	NA	.0	.9	0.1	NA	.0	.0
1981	4.6	.0	NA	.0	0.2	NA	.0	1.1	**	NA	.0	.0
1982	.8	.0	NA	.0	**	NA	.0	.8	.0	NA	.0	.0
1983	2.5	.0	NA	.0	**	NA	.0	2.3	.2	NA	.0	.0
1984	1.9	.0	NA	1.6	.3	NA	.0	.0	.0	NA	.0	.0
1985	4.9	.0	NA	.0	.0	NA	.0	.0	.0	NA	.0	.0
1986	5.0	.0	NA	.0	.0	NA	.0	.0	.0	NA	.0	.0
1987	13.7	.0	NA	.0	.0	NA	5.0	.0	.0	NA	.0	.0
1988	13.3	.0	NA	2.5	.0	NA	.0	.0	.0	NA	.0	.0
1989	16.9	.0	NA	1.6	.0	NA	.0	.0	.0	NA	.0	.0
1990	19.2	.0	NA	4.5	.0	NA	.0	.0	.0	.0	.0	.0
1991	32.8	.0	NA	4.7	.1	NA	.0	.0	.0	.0	.0	.0
1992	39.0	.5	NA	7.0	.0	NA	.0	1.3	.0	.0	.0	.0
1993	33.2	.9	NA	4.0	.0	NA	.0	.0	.0	.0	.0	.0
1994	48.7	.6	NA	3.3	21.8	NA	.0	.0	.0	.0	.0	.0
1995	51.6	.6	NA	3.3	29.8	NA	.0	.2	.0	.0	.0	.0
1996	49.0	.8	NA	11.0	18.7	NA	.0	.0	.0	.0	.0	.0
1997	29.9	.6	NA	1.0	11.9	NA	.0	.1	.0	.0	.0	.0
1998	22.7	.3	.0	8.8	.3	NA	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Int	AID [4]	OJP	Labor	NASA	NSF	NRC	SSA	DOS	DOT
	Facilities for instruction in S&E									
1971[7]	0.1	.0	NA	.0	.0	12.1	NA	NA	NA	.0
1972	.0	.0	NA	.0	.0	3.0	NA	NA	NA	.0
1973	.1	.0	NA	.0	.0	1.6	NA	NA	NA	.0
1974	**	.0	NA	.0	.0	3.1	NA	NA	NA	.0
1975	.0	.0	NA	.0	.0	**	.0	NA	NA	.0
1976	.0	.0	NA	.0	.0	3.0	.0	NA	NA	.0
1977	.0	.0	NA	.0	.0	2.9	.0	NA	NA	.0
1978	**	.0	NA	.0	.0	3.5	.0	NA	NA	.0
1979	.0	.0	NA	.0	.0	3.2	.0	NA	NA	.0
1980	.0	.0	NA	.0	.0	2.8	.0	NA	NA	.0
1981	.0	.0	NA	.0	.0	3.2	.0	NA	NA	.0
1982	.0	.0	NA	.0	.0	.0	.0	NA	NA	.0
1983	.0	.0	NA	.0	.0	.0	.0	NA	NA	.0
1984	.0	.0	NA	.0	.0	.0	.0	NA	NA	.0
1985	.0	.0	NA	.0	.0	4.8	0.1	NA	NA	.0
1986	.0	.0	NA	.0	.0	5.0	.0	NA	NA	.0
1987	.0	.0	NA	.0	.0	8.7	.0	NA	NA	.0
1988	.4	.0	NA	.0	.0	10.4	.0	NA	NA	.0
1989	.0	.0	NA	.0	.0	15.3	.0	NA	NA	.0
1990	.0	.0	NA	.0	.0	14.7	.0	NA	NA	.0
1991	.0	.0	NA	.0	.0	21.8	.0	NA	NA	6.2
1992	.0	.0	NA	.0	.0	21.2	.0	NA	NA	9.0
1993	.0	.0	NA	.0	.0	21.2	.0	NA	NA	7.1
1994	.0	.0	NA	.0	.0	20.2	.0	NA	NA	2.8
1995	.0	.0	NA	.0	.0	17.7	.0	NA	NA	.0
1996	.0	0.2	.0	.0	.0	18.4	.0	.0	NA	.0
1997	.0	.0	.0	.0	.0	16.3	.0	.0	.0	.0
1998	.0	.0	.0	.0	.0	13.1	.0	.0	.0	.3

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Total	USDA	ARC	Com	DoD [1]	OEO	ED [1]	DOE [2]	EPA	GSA	HHS [3]	HUD
	Fellowships, traineeships, and training grants											
1966[7]	365.6	NA	NA	.0	NA	NA	NA	3.2	NA	NA	289.9	NA
1967	447.2	NA	NA	.0	NA	NA	NA	3.7	NA	NA	379.1	NA
1968	440.9	NA	NA	.0	NA	.0	NA	3.6	NA	NA	387.0	NA
1969	436.3	NA	NA	.0	NA	.0	NA	5.5	NA	NA	375.7	NA
1970	429.4	NA	NA	.0	NA	.0	NA	5.0	NA	NA	369.6	NA
1971	421.0	.0	NA	**	.0	.0	NA	2.6	10.1	NA	361.4	.0
1972	387.9	.0	NA	0.4	.0	.0	NA	2.0	5.6	NA	346.6	.0
1973	287.2	.0	NA	.6	.0	.0	NA	2.3	9.2	NA	256.8	.0
1974	326.6	.0	NA	**	.0	0.7	NA	.5	6.8	NA	301.5	.0
1975	201.3	.0	NA	**	.0	NA	NA	.7	5.0	NA	181.7	.0
1976	174.9	.0	NA	.0	.0	NA	NA	.1	3.6	NA	155.6	.0
1977	184.7	.0	NA	.0	.0	NA	NA	.2	1.3	NA	165.9	.0
1978	205.9	.0	NA	.0	.0	NA	NA	.7	3.6	NA	184.2	.0
1979	204.9	.0	NA	.0	.0	NA	NA	1.9	4.5	NA	182.3	.0
1980	210.1	.0	NA	.0	.0	NA	.0	.0	4.5	NA	187.6	.0
1981	205.4	.0	NA	.0	.0	NA	.0	.0	2.4	NA	183.5	.0
1982	176.6	.0	NA	.0	.0	NA	.0	.3	2.5	NA	151.9	.0
1983	189.6	0.2	NA	.2	0.7	NA	.0	.2	2.6	NA	164.0	.0
1984	194.9	.2	NA	.1	.0	NA	.0	.6	1.8	NA	164.6	.0
1985	253.1	7.0	NA	.1	.8	NA	.0	.4	2.1	NA	210.9	.0
1986	246.2	4.7	NA	.0	.5	NA	.0	.5	2.8	NA	204.3	.0
1987	290.9	4.7	NA	.6	2.3	NA	11.8	.6	1.8	NA	232.5	.0
1988	309.3	4.6	NA	2.6	1.5	NA	13.5	.7	2.0	NA	239.3	.0
1989	340.5	4.6	NA	1.2	.1	NA	22.9	.9	8.3	NA	256.2	.0
1990	393.8	7.8	NA	.7	.1	NA	28.5	1.6	3.5	.0	288.9	.0
1991	469.3	10.9	NA	3.9	1.3	NA	53.9	6.7	8.0	.0	313.2	.0
1992	511.1	11.9	NA	4.0	2.7	NA	63.8	8.1	10.6	.0	320.3	.0
1993	526.3	10.8	NA	2.1	2.2	NA	57.7	13.8	8.1	.0	335.4	.0
1994	633.2	10.8	NA	4.7	25.9	NA	99.0	1.9	9.2	.0	387.7	.0
1995	674.5	15.7	NA	3.9	4.4	NA	96.3	2.9	15.8	.0	418.2	.0
1996	636.3	15.0	NA	4.9	7.4	NA	80.7	.5	13.7	.0	421.7	.0
1997	676.6	21.0	NA	6.2	8.6	NA	81.0	.0	15.2	.0	449.9	.0
1998	757.1	20.7	.0	3.3	8.1	NA	112.0	**	17.9	.0	491.3	.0

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Int	AID [4]	OJP	Labor	NASA	NSF	NRC	SSA	DOS	DOT
	Fellowships, traineeships, and training grants									
1966[7]	.0	NA	NA	NA	25.0	47.5	NA	NA	NA	NA
1967	.0	NA	NA	NA	15.0	49.4	NA	NA	NA	NA
1968	.0	NA	NA	.0	.9	49.4	NA	NA	NA	.0
1969	.0	NA	NA	.0	1.3	53.8	NA	NA	NA	NA
1970	.0	NA	NA	.0	2.1	52.7	NA	NA	NA	.0
1971	**	.0	NA	0.6	1.0	42.3	NA	NA	NA	2.8
1972	.0	.0	NA	.0	1.1	28.8	NA	NA	NA	3.5
1973	.0	.0	NA	.0	1.3	16.4	NA	NA	NA	.7
1974	.0	.0	NA	.0	1.2	14.4	NA	NA	NA	1.3
1975	.0	.0	NA	.0	1.3	9.7	.0	NA	NA	2.7
1976	.0	.0	NA	.0	1.3	13.4	**	NA	NA	.8
1977	.0	.0	NA	.0	1.4	14.8	0.1	NA	NA	.8
1978	3.2	0.6	NA	.0	1.3	11.7	**	NA	NA	.6
1979	.3	.0	NA	.0	1.8	14.1	.0	NA	NA	.0
1980	1.4	.0	NA	.0	2.8	13.8	.0	NA	NA	.0
1981	.9	.0	NA	.0	3.7	14.8	.1	NA	NA	.0
1982	.0	.0	NA	.0	4.2	17.5	.0	NA	NA	.4
1983	.0	.0	NA	.0	5.2	16.2	.0	NA	NA	.3
1984	.0	.0	NA	.0	5.3	21.8	.0	NA	NA	.4
1985	.0	.0	NA	.0	5.6	25.8	.0	NA	NA	.4
1986	.0	.0	NA	.0	7.9	25.2	.0	NA	NA	.2
1987	.0	.0	NA	.0	8.7	27.7	.0	NA	NA	.2
1988	.0	.0	NA	**	15.8	29.2	.0	NA	NA	.0
1989	.0	.0	NA	**	13.0	33.0	.0	NA	NA	.2
1990	**	0	NA	.0	21.7	41.0	.0	NA	NA	.1
1991	.0	.0	NA	.0	36.3	34.5	.0	NA	NA	.6
1992	.0	.0	NA	.1	40.4	46.1	.0	NA	NA	3.0
1993	.0	.0	NA	.4	42.1	47.8	.0	NA	NA	5.9
1994	**	.0	NA	.3	43.9	46.1	.0	NA	NA	3.7
1995	.2	2.8	NA	.0	57.4	51.5	.0	NA	NA	5.3
1996	.6	.3	0.4	.0	37.7	49.6	.0	.0	NA	3.8
1997	.5	.0	.0	.0	41.6	51.2	.0	.0	0	1.5
1998	**	.0	.0	.0	39.3	61.1	.0	.0	0	3.4

See explanatory information, if any, and SOURCE at end of table.

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Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Total	USDA	ARC	Com	DoD [1]	OEO	ED [1]	DOE [2]	EPA	GSA	HHS [3]	HUD
	General support for S&E											
1971 [7]	99.7	.0	NA	0.2	.0	.0	NA	.0	.0	NA	40.2	.0
1972	83.3	.0	NA	1.5	.0	.0	NA	.0	.0	NA	40.7	.0
1973	39.0	.0	NA	.0	.0	.0	NA	.0	.0	NA	20.2	.0
1974	87.0	.0	NA	.5	.0	.0	NA	.0	.0	NA	64.2	.0
1975	46.4	.0	NA	1.8	.0	NA	NA	.0	.0	NA	37.3	.0
1976	74.5	.0	NA	4.4	.0	NA	NA	.0	.0	NA	41.8	.0
1977	75.9	.0	NA	.0	.0	NA	NA	2.5	.0	NA	42.0	.0
1978	74.4	.0	NA	.0	.0	NA	NA	.3	.0	NA	45.0	.0
1979	92.5	4.7	NA	.0	.0	NA	NA	**	1.3	NA	52.8	.0
1980	91.5	.0	NA	.0	.0	NA	.0	5.6	.0	NA	60.1	.0
1981	92.7	.0	NA	.0	7.1	NA	.0	.0	.9	NA	60.0	.0
1982	80.1	.0	NA	.0	4.8	NA	.0	**	1.7	NA	61.3	2.0
1983	94.8	.0	NA	.0	3.2	NA	**	3.7	1.6	NA	73.6	.4
1984	112.6	.0	NA	20.3	3.7	NA	.0	.6	2.7	NA	83.9	.0
1985	119.2	.0	NA	**	1.8	NA	.0	.4	1.1	NA	112.5	.0
1986	111.1	.0	NA	**	2.1	NA	.0	.0	.0	NA	106.1	.0
1987	236.9	.0	NA	.0	5.9	NA	108.1	.0	4.3	NA	113.1	.0
1988	171.8	.0	NA	.0	2.5	NA	54.8	.2	.0	NA	109.0	.0
1989	197.7	.0	NA	.0	1.8	NA	80.2	.0	.0	NA	109.5	.0
1990	143.9	.0	NA	1.0	.0	NA	30.1	.5	3.1	.0	102.2	.0
1991	192.8	.0	NA	29.4	.0	NA	32.1	.2	3.5	.0	108.7	.0
1992	160.2	.9	NA	28.2	.0	NA	36.5	.0	4.0	.0	69.3	.0
1993	66.8	.8	NA	15.0	**	NA	4.0	.0	1.9	.0	26.6	.0
1994	136.6	.3	NA	43.1	2.8	NA	7.4	6.1	.9	.0	63.5	.0
1995	264.0	.0	NA	55.6	5.7	NA	6.2	15.5	.0	.0	58.7	.0
1996	219.0	.1	NA	64.3	1.3	NA	5.9	5.9	.0	.0	71.0	.0
1997	170.8	5.6	NA	63.2	1.2	NA	6.5	6.3	.0	.0	75.9	.0
1998	207.0	7.2	.0	53.4	1.5	NA	5.3	8.8	.0	.0	108.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Int	AID [4]	OJP	Labor	NASA	NSF	NRC	SSA	DOS	DOT
	General support for S&E									
1971[7]	1.1	.0	NA	1.2	.0	56.9	NA	NA	NA	.0
1972	1.2	5.2	NA	.0	.0	34.7	NA	NA	NA	.0
1973	1.3	2.3	NA	.9	.0	14.2	NA	NA	NA	.0
1974	1.6	1.5	NA	1.4	.0	17.8	NA	NA	NA	.0
1975	1.6	4.2	NA	1.5	.0	.0	.0	NA	NA	.0
1976	2.4	2.8	NA	1.5	.0	21.6	.0	NA	NA	.0
1977	1.8	4.1	NA	.0	.0	24.8	0.7	NA	NA	.0
1978	5.0	.0	NA	.0	.0	23.8	.0	NA	NA	0.3
1979	4.4	.0	NA	.0	.0	29.3	.0	NA	NA	.0
1980	2.3	.0	NA	.0	.0	23.2	.4	NA	NA	.0
1981	3.1	.0	NA	.0	.0	21.0	.0	NA	NA	.7
1982	6.8	.0	NA	.0	.0	3.5	.0	NA	NA	.0
1983	11.2	.0	NA	.0	.0	1.2	.0	NA	NA	.0
1984	.0	.0	NA	.0	.0	1.5	.0	NA	NA	.0
1985	.3	.0	NA	.0	.0	3.0	.0	NA	NA	.0
1986	.0	.0	NA	.0	.0	2.8	.0	NA	NA	.0
1987	.0	.0	NA	.0	.0	5.5	.0	NA	NA	.0
1988	2.1	.0	NA	.0	.0	3.4	.0	NA	NA	.0
1989	3.3	.0	NA	.0	.0	2.9	.0	NA	NA	.0
1990	2.7	.0	NA	.0	.0	4.3	.0	NA	NA	.0
1991	12.5	.0	NA	.0	.0	6.4	.0	NA	NA	.0
1992	12.1	.0	NA	0	.0	7.7	.0	NA	NA	1.5
1993	7.8	.0	NA	.0	.0	9.6	.0	NA	NA	.8
1994	.2	.0	NA	.0	.0	12.1	.0	NA	NA	.0
1995	.0	107.3	NA	.0	.0	14.9	.0	NA	NA	.0
1996	.0	57.1	.0	.0	.0	13.3	.0	.0	NA	.0
1997	.0	10.0	.0	.0	.0	2.2	.0	.0	.0	.0
1998	.0	21.7	.0	.0	.0	1.2	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Total	USDA	ARC	Com	DoD [1]	OEO	ED [1]	DOE [2]	EPA	GSA	HHS [3]	HUD
	Other S&E activities											
1963	393.1	63.4	NA	0.3	.0	NA	NA	5.3	NA	NA	208.9	NA
1964	452.2	67.5	NA	.5	.0	NA	NA	5.4	NA	NA	244.6	NA
1965	595.0	73.3	NA	.6	.0	NA	NA	5.9	NA	NA	359.8	NA
1966	431.0	76.1	NA	.7	.0	NA	NA	3.1	NA	NA	263.4	NA
1967	464.0	78.8	NA	.7	.0	NA	NA	2.5	NA	NA	256.7	NA
1968	414.5	80.1	NA	1.0	.0	.0	NA	2.5	NA	NA	186.4	0.7
1969	395.9	91.1	NA	.5	**	.0	NA	1.0	NA	NA	198.4	.1
1970	266.8	113.5	NA	.7	**	.0	NA	1.0	NA	NA	32.2	.0
1971	212.4	139.5	NA	.5	.0	.0	NA	.3	.0	NA	15.9	.0
1972	211.6	149.5	NA	.6	.0	.0	NA	.5	.0	NA	8.6	.0
1973	210.8	163.0	NA	2.7	.0	.0	NA	.8	.0	NA	8.0	.0
1974	205.7	164.0	NA	2.2	.0	.0	NA	.2	.0	NA	5.7	.0
1975	262.3	180.2	NA	1.7	.0	NA	NA	.1	.0	NA	15.3	.0
1976	252.2	204.4	NA	3.6	.0	NA	NA	.3	.0	NA	17.1	.0
1977	248.0	201.0	NA	.3	.0	NA	NA	.3	.0	NA	15.4	.0
1978	254.5	216.4	NA	.9	.0	NA	NA	.3	0	NA	4.1	.0
1979	263.0	224.0	NA	1.5	.0	NA	NA	3.0	0.1	NA	6.9	.0
1980	287.2	232.3	NA	1.2	.0	NA	.0	2.8	.0	NA	3.4	.0
1981	321.5	250.0	NA	.7	17.1	NA	.0	7.9	**	NA	5.3	.0
1982	336.4	273.2	NA	.8	38.2	NA	.0	3.1	.2	NA	3.6	**
1983	331.8	282.3	NA	.6	22.9	NA	.0	**	.5	NA	2.8	**
1984	500.1	324.7	NA	8.2	122.8	NA	.0	.7	**	NA	3.5	.0
1985	520.5	335.7	NA	1.4	149.5	NA	.0	.1	.0	NA	6.5	.0
1986	506.0	316.8	NA	.8	148.5	NA	.0	**	.0	NA	9.1	.0
1987	554.8	308.6	NA	.6	171.4	NA	21.4	.0	1.1	NA	10.3	.0
1988	719.6	347.9	NA	.5	179.3	NA	116.4	.0	0	NA	9.6	.0
1989	759.9	349.9	NA	3.8	206.1	NA	96.6	.1	.0	NA	16.5	.0
1990	755.5	360.0	NA	6.8	145.2	NA	130.4	.0	.0	.0	19.2	.0
1991	957.4	389.4	NA	21.8	200.2	NA	171.6	.0	.1	.0	16.6	.0
1992	991.8	408.0	NA	22.9	192.6	NA	197.0	.0	.1	.0	19.2	.0

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Int	AID [4]	OJP	Labor	NASA	NSF	NRC	SSA	DOS	DOT
	Other S&E activities									
1963	**	NA	NA	NA	14.1	101.1	NA	NA	NA	NA
1964	**	NA	NA	NA	20.2	113.9	NA	NA	NA	NA
1965	**	NA	NA	NA	25.4	130.1	NA	NA	NA	NA
1966	0.2	NA	NA	NA	2.3	85.2	NA	NA	NA	NA
1967	**	NA	NA	NA	2.4	122.8	NA	NA	NA	NA
1968	.4	NA	NA	.0	2.8	140.5	NA	NA	NA	**
1969	.9	0	NA	.0	3.7	100.2	NA	NA	NA	NA
1970	.6	.0	NA	.0	1.7	117.0	NA	NA	NA	.0
1971	.0	2.0	NA	0.1	4.2	49.9	NA	NA	NA	.0
1972	.0	.0	NA	.0	4.9	47.5	NA	NA	NA	.0
1973	.0	.0	NA	.4	4.5	31.4	NA	NA	NA	.0
1974	.0	.0	NA	.0	5.7	27.9	NA	NA	NA	.0
1975	.0	.0	NA	**	6.4	58.6	**	NA	NA	.0
1976	.1	.0	NA	.0	10.7	16.0	.0	NA	NA	.0
1977	.3	.0	NA	.0	5.9	24.9	.0	NA	NA	.0
1978	.0	2.6	NA	.0	4.4	25.6	.0	NA	NA	0.2
1979	.0	.0	NA	0	4.7	22.4	0.4	NA	NA	.0
1980	.0	.0	NA	.0	6.9	40.2	.5	NA	NA	.0
1981	**	.0	NA	.0	5.7	34.4	.4	NA	NA	**
1982	.0	.0	NA	.0	4.8	12.4	.0	NA	NA	.0
1983	**	.0	NA	.0	7.8	14.8	.0	NA	NA	.0
1984	.0	.0	NA	**	7.1	33.0	.0	NA	NA	.0
1985	.0	.0	NA	**	7.9	19.0	.3	NA	NA	**
1986	.0	.0	NA	.0	7.9	22.9	.0	NA	NA	**
1987	.0	.0	NA	.0	6.9	32.7	.0	NA	NA	1.8
1988	.0	.0	NA	.0	7.8	55.3	.0	NA	NA	2.9
1989	.0	.0	NA	.0	12.0	71.8	.0	NA	NA	3.1
1990	.0	.0	NA	.0	17.5	73.0	.0	NA	NA	3.3
1991	.1	.0	NA	.0	22.1	132.1	.0	NA	NA	3.5
1992	.0	.0	NA	.0	56.5	87.2	.0	NA	NA	8.3

See explanatory information, if any, and SOURCE at end of table.

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Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Total	USDA	ARC	Com	DoD [1]	OEO	ED [1]	DOE [2]	EPA	GSA	HHS [3]	HUD
	Other S&E activities											
1993	923.9	412.6	NA	29.9	244.9	NA	.0	.0	0.1	.0	40.5	.0
1994	934.0	419.9	NA	27.3	237.5	NA	15.3	.0	.0	.0	20.2	.0
1995	948.8	423.2	NA	16.1	195.6	NA	17.9	.0	.0	.0	35.3	.0
1996	951.7	413.6	NA	15.7	155.2	NA	20.1	0.2	.0	.0	39.0	.0
1997	923.3	408.3	NA	31.1	159.4	NA	19.5	.1	.0	.0	31.1	.0
1998	1,041.2	410.0	.0	36.7	153.4	NA	27.0	.4	.0	.0	36.4	.0

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity and agency: fiscal years 1963-98

[Dollars in millions]

Fiscal year	Int	AID [4]	OJP	Labor	NASA	NSF	NRC	SSA	DOS	DOT
	Other S&E activities									
1993	.0	.0	NA	**	75.7	111.2	.0	NA	NA	9.0
1994	0.2	.0	NA	**	41.7	170.8	.0	NA	NA	1.0
1995	.3	32.1	NA	.0	49.5	177.3	.0	NA	NA	1.5
1996	.6	30.2	.0	.0	49.0	226.7	.0	.0	NA	1.4
1997	.1	4.5	.0	.0	52.8	215.7	.0	.0	.0	.7
1998	0	2.2	.0	.0	93.9	279.2	.0	.0	.0	1.9

1 See Technical Notes, "Changes in Reporting."

2 Data shown for fiscal years (FYs) 1963-74 and FYs 1975-77 represent obligations of the Atomic Energy Commission and the Energy Research and Development Administration, respectively.

3 Data shown for FYs 1963-79 represent obligations of the Department of Health, Education, and Welfare.

4 The Agency for International Development (AID) continues its long-term work on restructuring its internal database (New Management System, NMS) that will integrate the agency's budget, programming, accounting, and procurement systems. As a result, AID's response to the FY 1998 Federal support survey has again been produced using an interim reporting system as it was for the FYs 1995-97 surveys. Any significant differences between AID's data reported for FYs 1995-98 and data reported prior to FY 1995 can be attributed to this change in reporting systems. In addition, AID anticipates that future responses to the Federal support survey may also differ from the FYs 1995-98 submissions since the NMS, which will eventually be the database for reporting this information, will be refined to produce more accurate data.

5 Department of Defense (DoD) research is reported separately from DoD development. FY 1994 totals for the research and development portions are not comparable to other years; DoD was not able to provide comparable data. DoD states that more than 90 percent of its development obligations reported for universities and colleges are performed at university-administered laboratories that are separate from the academic departments. Furthermore, DoD states that much of its development obligations are for major systems development, that such obligations differ from its obligations for advanced technology development, and that DoD total development obligations are therefore not comparable with development obligations at other Federal agencies. Refer to table B-17 for DoD obligations to individual institutions, by research and development breakdowns.

6 See Technical Notes, "Categories of Support."

7 Data collected before this year are not separately identified but are included under "Other S&E activities."

NOTES: Some trend shifts are related to institutional reclassification. Beginning in FY 1978, two laboratories that were formerly considered academically administered federally funded research and development centers became part of their respective institutions: Applied Physics Laboratory (Johns Hopkins University) and Applied Research Laboratory (Pennsylvania State University). Data for these laboratories are included in the academic figures beginning in FY 1978. Similarly, Draper Laboratories separated from the Massachusetts Institute of Technology (MIT) as of FY 1974 to become an independent nonprofit institution; data for this laboratory are included in MIT's figures prior to FY 1974.

Because of rounding, detail may not add to totals.

KEY:
USDA = Department of Agriculture
ARC = Appalachian Regional Commission
Com = Department of Commerce
DoD = Department of Defense
OEO = Office of Economic Opportunity
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
GSA = General Services Administration
HHS = Department of Health and Human Services
HUD = Department of Housing and Urban Development
Int = Department of the Interior
AID = Agency for International Development
OJP = Office of Justice Programs
Labor = Department of Labor
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation
NRC = Nuclear Regulatory Commission
SSA = Social Security Administration
DOS = Department of State
DOT = Department of Transportation
NA = Not available
** = Amount less than $50,000

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-3. Federal obligations for science and engineering to universities and colleges, by geographic division and State: fiscal years 1991-98

[Dollars in thousands]

Geographic division and State	1991	1992	1993	1994	1995	1996	1997	1998
United States, total	11,907,557	12,838,077	12,834,791	13,867,144	14,461,050	14,449,919	15,095,984	16,031,984
New England, total	1,185,425	1,275,161	1,299,847	1,306,735	1,367,171	1,363,811	1,391,121	1,455,124
Connecticut	227,412	248,516	250,160	258,838	257,297	270,996	283,873	291,633
Maine	14,106	16,970	21,683	22,603	19,188	17,013	20,944	23,886
Massachusetts	770,251	832,259	856,187	852,677	898,476	880,302	887,147	939,126
New Hampshire	62,151	72,279	69,370	64,945	70,108	77,345	77,862	78,832
Rhode Island	66,939	66,474	61,724	66,504	82,196	74,012	80,202	74,965
Vermont	44,566	38,663	40,723	41,168	39,906	44,143	41,093	46,682
Middle Atlantic, total	1,947,604	2,066,857	2,072,846	2,159,163	2,203,374	2,202,465	2,364,802	2,493,504
New Jersey	174,224	188,861	221,377	229,836	239,253	224,739	244,156	256,808
New York	1,053,273	1,128,862	1,063,211	1,133,658	1,131,894	1,140,506	1,206,499	1,275,168
Pennsylvania	720,107	749,134	788,258	795,669	832,227	837,220	914,147	961,528
East North Central, total	1,558,698	1,705,086	1,698,582	1,837,089	1,901,919	1,889,197	1,979,908	2,047,949
Illinois	426,257	449,800	457,248	505,357	522,998	521,388	543,930	575,025
Indiana	184,465	213,756	207,082	207,302	213,152	210,336	234,806	222,459
Michigan	361,114	417,688	419,055	434,712	454,575	454,959	475,484	510,168
Ohio	332,042	349,066	349,075	372,820	399,414	405,474	431,635	427,418
Wisconsin	254,820	274,776	266,122	316,898	311,780	297,040	294,053	312,879
West North Central, total	760,609	806,629	763,281	845,855	875,878	891,201	949,480	977,055
Iowa	152,203	156,468	155,770	176,787	164,793	168,947	173,123	184,724
Kansas	77,885	78,256	74,981	72,213	78,400	80,368	85,158	101,723
Minnesota	203,235	217,975	198,659	228,911	237,446	225,288	256,451	230,314
Missouri	215,486	238,633	228,849	261,191	275,488	292,736	309,332	341,020
Nebraska	59,568	61,427	50,635	55,397	61,222	65,110	65,913	66,331
North Dakota	38,145	39,002	37,833	33,600	40,895	39,418	36,405	34,853
South Dakota	14,087	14,868	16,554	17,756	17,634	19,334	23,098	18,090
South Atlantic, total	2,209,317	2,352,860	2,416,296	2,657,599	2,768,319	2,767,060	2,812,965	2,994,754
Delaware	24,797	34,409	33,391	38,350	41,704	42,313	40,534	41,037
District of Columbia	109,611	102,871	124,049	124,286	190,695	175,363	150,781	146,930
Florida	254,896	280,829	277,326	305,674	300,769	316,823	341,399	388,166
Georgia	262,536	288,647	266,716	316,753	338,035	324,204	344,716	353,350
Maryland	807,636	824,699	862,246	957,940	934,908	939,133	932,064	992,768
North Carolina	408,787	457,873	446,031	502,277	537,506	542,952	558,564	603,062
South Carolina	77,243	81,937	72,332	97,200	104,216	111,675	129,857	135,938
Virginia	217,570	232,805	254,000	260,451	271,378	260,371	275,891	283,816
West Virginia	46,241	48,790	80,205	54,668	49,108	54,226	39,159	49,687
East South Central, total	497,456	527,882	529,478	570,164	614,560	605,667	661,747	686,056
Alabama	187,193	194,806	198,489	213,484	238,045	236,680	258,963	262,235
Kentucky	62,736	73,289	77,035	83,986	86,526	87,883	92,458	95,886
Mississippi	62,751	65,775	72,145	72,304	76,945	73,960	76,855	98,356
Tennessee	184,776	194,012	181,809	200,390	213,044	207,144	233,471	229,579
West South Central, total	835,471	937,813	938,604	1,000,629	1,034,500	1,055,532	1,116,274	1,169,041
Arkansas	45,598	48,790	50,907	57,993	55,700	57,244	61,062	64,146
Louisiana	120,420	132,794	124,488	141,320	140,559	147,767	157,174	161,415
Oklahoma	57,937	78,347	66,190	77,412	78,336	79,093	84,090	97,515
Texas	611,516	677,882	697,019	723,904	759,905	771,428	813,948	845,965
Mountain, total	715,734	761,241	752,712	880,667	908,604	853,537	902,153	1,073,318
Arizona	147,587	160,176	159,712	197,769	203,561	183,130	177,720	205,623
Colorado	222,994	252,223	231,991	287,131	296,025	302,336	334,965	432,229
Idaho	26,653	20,403	21,564	26,520	20,515	18,838	26,908	24,741
Montana	23,923	29,024	30,408	34,996	36,572	38,938	43,665	47,224
Nevada	25,221	30,897	29,709	31,374	28,144	27,301	27,944	36,607
New Mexico	100,279	103,154	124,873	131,903	146,119	129,645	125,476	141,869
Utah	154,809	148,966	133,868	152,316	160,677	136,090	147,006	165,549
Wyoming	14,268	16,398	20,587	18,658	16,991	17,259	18,469	19,476

See explanatory information, if any, and SOURCE at end of table.

Table B-3. Federal obligations for science and engineering to universities and colleges, by geographic division and State: fiscal years 1991-98

[Dollars in thousands]

Geographic division and State	1991	1992	1993	1994	1995	1996	1997	1998
Pacific, total	2,150,170	2,352,592	2,313,669	2,544,558	2,725,179	2,756,105	2,852,942	3,058,945
Alaska	29,276	34,131	46,629	40,331	33,164	32,650	41,779	35,945
California	1,596,399	1,771,195	1,710,662	1,900,549	2,036,386	2,085,734	2,123,795	2,316,824
Hawaii	63,538	64,440	67,140	73,607	65,870	70,073	77,874	74,294
Oregon	149,258	157,461	159,671	163,577	189,418	173,839	197,127	200,106
Washington	311,699	325,365	329,567	366,494	400,341	393,809	412,367	431,776
Outlying Areas, total	47,073	51,956	49,476	64,685	61,546	65,344	64,592	76,238
American Samoa	1,291	1,223	1,233	1,299	1,311	1,173	970	1,197
Guam	3,262	2,883	3,334	3,427	4,256	3,696	3,673	3,654
Puerto Rico	38,504	43,481	39,690	54,812	50,195	55,739	54,363	66,712
Trust Territory of the Pacific Islands	1,933	1,964	2,247	2,323	2,584	2,731	3,186	3,312
Virgin Islands	2,083	2,405	2,972	2,824	3,200	2,005	2,400	1,363

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-4. Federal obligations for science and engineering to the 100 universities and colleges receiving the largest amounts, ranked by total amount received in fiscal year 1998: fiscal years 1991-98

[Dollars in thousands]

Institution and ranking	1991	1992	1993	1994	1995	1996	1997	1998
Total, all institutions	11,907,557	12,838,077	12,834,791	13,867,144	14,461,050	14,449,919	15,095,984	16,031,984
1 Johns Hopkins University	649,007	660,675	701,118	764,035	729,177	729,447	703,890	744,925
2 University of Washington	272,312	280,054	279,854	309,555	339,521	347,511	357,048	380,690
3 Stanford University	259,929	270,056	268,673	282,549	298,139	317,932	336,298	353,306
4 U of Michigan	218,167	233,782	233,909	263,243	268,126	282,423	293,959	314,670
5 U of CA San Diego	195,440	214,975	217,412	245,663	256,022	257,234	262,298	297,340
6 U of Pennsylvania	186,678	193,366	201,928	209,073	225,052	238,623	261,802	293,450
7 U of CA Los Angeles	208,394	215,751	207,871	239,078	229,693	226,653	233,783	265,677
8 MA Inst of Technology	256,603	275,279	278,032	288,498	304,998	261,317	250,893	262,156
9 Harvard University	181,438	198,310	187,932	210,011	219,207	242,078	241,993	255,237
10 U of CA San Francisco	191,275	209,671	187,663	217,505	215,359	234,958	242,505	245,334
Total 1st 10 institutions	2,619,243	2,751,919	2,764,392	3,029,210	3,085,294	3,138,176	3,186,469	3,412,785
11 U of Colorado	150,684	167,435	157,758	190,377	187,550	197,416	223,606	242,967
12 U of WI Madison	205,012	222,225	216,290	238,375	241,743	231,195	223,079	239,625
13 Columbia U City New York	185,237	202,301	205,791	197,615	199,683	205,684	225,288	237,429
14 Yale University	171,710	190,388	182,404	200,781	195,677	211,782	220,864	233,502
15 Cornell University	200,805	218,653	216,662	221,549	240,922	230,700	240,796	230,408
16 U of Minnesota	196,383	212,386	193,296	205,277	231,070	220,684	249,650	225,997
17 Washington University	138,696	148,036	144,275	165,336	176,962	198,854	206,197	224,755
18 Duke University	141,811	151,091	148,467	165,501	166,348	176,225	197,128	211,793
19 U of NC Chapel Hill	128,809	151,616	141,702	164,168	170,468	181,153	181,428	207,368
20 U of Pittsburgh	160,599	182,451	141,460	162,839	177,392	166,050	189,302	207,212
Total 1st 20 institutions	4,298,989	4,598,501	4,512,497	4,941,028	5,073,109	5,157,919	5,343,807	5,673,841
21 U of CA Berkeley	162,359	185,338	162,397	183,138	181,669	175,006	180,268	206,186
22 PA St U University Park	166,986	176,070	211,027	207,289	188,683	190,193	204,093	203,633
23 U of Southern California	140,088	151,454	139,412	166,206	158,554	175,137	163,446	175,606
24 U of Alabama Birmingham	95,038	98,978	106,144	112,346	124,884	144,072	157,676	169,627
25 CA Inst of Technology	90,105	109,877	117,911	109,057	219,487	190,684	172,276	168,711
26 U of IL Urbana-Champaign	136,044	142,330	138,354	146,582	146,139	143,900	153,014	164,211
27 Case Western Reserve U	93,937	94,254	96,798	108,212	135,092	144,868	152,098	158,882
28 University of Arizona	108,050	122,617	121,173	157,866	152,633	136,593	131,711	146,938
29 University of Rochester	122,363	132,965	131,252	125,863	119,975	118,509	125,533	136,111
30 Boston University	73,893	85,250	107,392	84,504	92,687	105,366	103,395	134,423
Total 1st 30 institutions	5,487,852	5,897,634	5,844,357	6,342,091	6,592,912	6,682,247	6,887,317	7,338,169
31 Baylor Col of Medicine	87,593	89,304	92,755	104,211	91,209	98,072	105,115	134,066
32 University of Chicago	114,390	118,031	111,924	114,674	127,404	132,870	132,168	131,803
33 U of TX Austin	106,147	121,430	146,743	124,128	134,910	123,689	112,048	129,131
34 Northwestern University	74,318	87,189	90,920	106,116	111,808	119,313	119,107	127,999
35 U of CA Davis	84,517	97,005	92,923	104,100	105,559	110,294	110,764	124,572
36 University of Iowa	92,124	98,913	93,405	100,501	102,086	106,516	108,486	123,427
37 Vanderbilt University	86,834	93,010	89,140	98,139	104,165	102,859	119,138	122,154
38 Ohio State U	99,596	109,520	104,677	114,754	116,027	111,039	126,347	119,143
39 Emory University	61,596	68,164	67,482	78,294	84,828	85,566	100,238	116,268
40 University of Florida	79,467	109,895	95,933	93,659	98,120	103,097	106,288	114,590
Total 1st 40 institutions	6,374,434	6,890,095	6,830,259	7,380,667	7,669,028	7,775,562	8,027,016	8,581,322
41 Scripps Rsch Inst, The	55,798	69,467	72,560	82,915	83,666	94,515	103,387	114,149
42 Indiana U	78,234	101,156	99,727	90,792	99,037	99,978	106,871	112,683
43 NY University	92,019	102,009	82,332	98,086	90,914	90,290	102,382	110,524
44 U of Virginia	76,251	86,007	86,929	84,111	88,949	94,205	97,381	108,412
45 U of MD College Park	89,084	88,783	85,762	97,519	105,431	103,473	103,419	107,634
46 University of Utah	86,945	82,105	82,458	98,827	106,292	94,645	101,304	105,411
47 University of Miami	74,377	75,488	69,919	88,931	86,753	84,325	91,890	101,225
48 Yeshiva University NY	77,415	77,808	67,942	76,114	69,095	78,018	85,332	100,569
49 Michigan State University	78,909	92,193	98,947	87,255	96,353	85,425	85,312	96,979
50 U of TX SW Med Ctr Dals	59,837	63,950	65,314	77,368	78,776	88,488	96,489	96,585
Total 1st 50 institutions	7,143,303	7,729,061	7,642,149	8,262,585	8,574,294	8,688,924	9,000,783	9,635,493

See explanatory information, if any, and SOURCE at end of table.

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Table B-4. Federal obligations for science and engineering to the 100 universities and colleges receiving the largest amounts, ranked by total amount received in fiscal year 1998: fiscal years 1991-98

[Dollars in thousands]

Institution and ranking	1991	1992	1993	1994	1995	1996	1997	1998
51 U Corp for Atmosph Rsch	4,822	5,688	1,297	4,012	16,324	22,544	16,361	92,000
52 LA St U All Campuses	66,521	61,089	81,710	80,757	70,806	75,233	81,845	90,839
53 Georgia Inst of Tech	84,402	73,285	62,680	89,839	100,650	92,333	89,504	90,742
54 Carnegie Mellon U	55,474	67,580	78,287	70,030	83,276	99,441	104,248	90,008
55 Purdue University	80,046	89,844	89,920	97,505	89,885	88,311	96,044	86,074
56 Rutgers St U of NJ	59,594	72,384	83,554	82,084	88,466	78,380	84,578	85,987
57 Princeton University	58,149	62,373	65,390	67,326	78,242	75,068	77,751	85,097
58 U of MD Baltimore	51,061	54,644	52,466	64,373	69,262	71,966	73,372	84,641
59 CUNY Mt Sinai Schl of Med	51,345	52,529	45,262	55,583	57,728	65,589	72,169	84,342
60 SUNY at Stony Brook	54,173	61,976	62,504	66,489	75,876	82,702	83,123	83,338
Total 1st 60 institutions	7,708,890	8,330,453	8,265,219	8,940,583	9,304,809	9,440,491	9,779,778	10,508,561
61 U of IL Chicago	50,547	50,882	58,450	64,197	57,799	61,552	65,237	81,907
62 U of TX Hlth Sci Houston	34,816	36,307	38,753	46,422	50,738	67,427	69,114	81,295
63 NC State U	63,505	77,962	71,637	74,029	85,091	77,041	79,728	79,368
64 U of CA Santa Barbara	48,427	51,433	54,860	64,875	63,625	64,254	64,379	79,201
65 Colorado State University	51,700	60,151	53,956	67,000	66,739	61,751	74,266	77,671
66 U of CA Irvine	55,090	66,369	64,050	69,565	71,578	69,861	71,464	77,401
67 U of Kentucky All Cmp	49,383	57,739	60,657	65,372	66,336	70,192	75,649	74,704
68 Oregon State University	61,191	63,157	65,161	67,954	84,067	72,435	73,835	73,770
69 U of New Mexico	37,680	43,387	60,999	74,407	83,155	65,459	65,412	71,889
70 Oregon Hlth Sciences U	45,507	47,288	52,299	53,524	54,104	53,199	71,399	70,828
Total 1st 70 institutions	8,206,736	8,885,128	8,846,041	9,587,928	9,988,041	10,103,662	10,490,261	11,276,595
71 Georgetown University	40,996	39,330	58,418	62,519	116,017	95,072	67,052	68,729
72 U of TX MD Anderson Cancr	36,001	41,546	43,219	49,500	46,712	56,618	60,612	67,891
73 U of Hawaii Manoa	50,302	49,505	55,880	58,741	54,819	56,927	67,874	67,681
74 Wayne State University	35,948	44,365	42,735	49,279	51,023	59,273	66,419	66,983
75 U of Med & Dent of NJ	42,685	42,451	53,773	54,295	49,695	56,845	62,093	64,763
76 U of Missouri Columbia	40,219	51,012	42,016	47,245	48,376	45,246	57,999	64,594
77 Texas A&M U	78,795	90,540	90,697	88,221	94,190	85,078	83,719	64,395
78 U of Cincinnati	57,676	59,651	56,186	55,436	54,785	54,965	55,962	63,268
79 University of Kansas	42,330	43,143	36,438	37,810	44,402	49,762	49,827	62,404
80 University of Georgia	58,205	62,610	68,307	66,867	60,943	60,129	56,303	60,865
Total 1st 80 institutions	8,689,893	9,409,281	9,393,710	10,157,841	10,609,003	10,723,577	11,118,121	11,928,168
81 Wake Forest University	39,585	40,480	42,526	56,784	54,109	58,588	55,916	60,836
82 Virginia Poly Inst & St U	46,060	49,272	69,187	73,172	69,697	60,504	67,325	60,033
83 Thomas Jefferson U	27,711	34,914	39,635	47,199	50,211	52,837	53,242	58,516
84 Medical U of S Carolina	25,924	26,545	21,696	29,826	32,224	42,120	41,903	56,374
85 U of MA Worcester	0	38,955	36,639	38,872	38,928	46,969	52,878	54,936
86 Iowa State University	52,611	52,299	58,267	72,201	58,831	58,975	59,441	54,739
87 Virginia Commonwealth U	49,198	48,580	44,029	45,647	51,554	50,761	46,001	54,155
88 Utah State University	61,827	60,372	44,042	45,731	44,216	35,738	40,521	53,843
89 U of Connecticut	51,205	51,502	61,452	52,195	55,062	53,193	57,692	53,491
90 U of TX Hlth Sci S Anto	39,114	45,700	48,415	52,408	53,423	54,327	47,713	52,942
Total 1st 90 institutions	9,083,128	9,857,900	9,859,598	10,671,876	11,117,258	11,237,589	11,640,753	12,488,033
91 New Mexico St U	55,752	50,888	54,072	48,338	51,897	49,151	46,724	52,866
92 Woods Hole Ocean Inst	54,118	75,329	66,821	68,281	69,967	59,812	57,106	52,865
93 U of TX Med Brnch Galvstn	26,345	31,505	29,748	33,821	39,014	45,223	49,292	51,081
94 Mississippi State U	31,762	32,051	33,255	36,868	40,149	37,423	39,315	50,773
95 U of Oklahoma	24,950	30,906	27,421	32,507	36,048	34,250	41,027	49,746
96 Florida State University	47,245	38,788	41,966	38,790	39,978	48,196	46,463	47,790
97 Dartmouth College	38,103	42,506	43,641	41,498	42,747	47,137	48,462	47,529
98 Medical Col of Wisconsin	24,318	25,402	26,545	46,591	33,946	39,719	39,792	45,866
99 Rockefeller University	42,660	39,281	36,528	43,716	43,955	47,682	45,602	45,441
100 Tufts University	43,797	47,324	49,179	47,407	41,982	42,228	46,724	45,416
Total 1st 100 institutions	9,472,178	10,271,880	10,268,774	11,109,693	11,556,941	11,688,410	12,101,260	12,977,406

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-5. Federal obligations for science and engineering research and development to universities and colleges, by geographic division and State: fiscal years 1991-98

[Dollars in thousands]

Geographic division and State	1991	1992	1993	1994	1995	1996	1997	1998
United States, total	10,091,898	10,926,788	11,025,098	11,898,103	12,180,859	12,345,709	13,019,428	13,847,428
New England, total	1,055,261	1,133,617	1,166,063	1,177,898	1,212,080	1,195,590	1,248,814	1,307,945
Connecticut	198,672	220,981	216,577	232,159	230,908	246,017	257,936	266,541
Maine	9,740	10,363	13,572	14,184	13,730	10,694	14,807	16,331
Massachusetts	698,233	750,149	784,135	779,947	806,792	774,202	802,454	854,425
New Hampshire	55,501	62,852	62,959	60,228	62,006	68,951	69,306	68,716
Rhode Island	55,243	56,281	52,877	56,200	64,059	60,542	70,411	62,663
Vermont	37,872	32,991	35,943	35,180	34,585	35,184	33,900	39,269
Middle Atlantic, total	1,722,528	1,815,749	1,838,465	1,958,090	1,960,205	1,971,514	2,136,167	2,260,667
New Jersey	150,569	162,478	187,700	201,977	210,478	198,759	215,975	225,963
New York	917,093	977,850	941,053	1,027,710	1,011,069	1,017,749	1,088,975	1,153,179
Pennsylvania	654,866	675,421	709,712	728,403	738,658	755,006	831,217	881,525
East North Central, total	1,342,616	1,435,670	1,459,876	1,602,864	1,624,483	1,653,342	1,727,821	1,802,526
Illinois	362,336	376,278	402,193	440,447	440,551	452,314	465,671	498,679
Indiana	156,198	178,589	172,788	178,588	181,028	180,530	207,299	194,622
Michigan	313,736	340,042	342,039	379,950	387,633	404,031	422,666	450,411
Ohio	291,113	305,278	307,395	329,040	351,572	351,424	375,137	384,494
Wisconsin	219,233	235,483	235,461	274,839	263,699	265,043	257,048	274,320
West North Central, total	598,788	643,339	637,278	676,048	731,145	747,367	805,676	820,340
Iowa	124,814	129,974	133,621	142,777	138,805	138,843	147,578	155,122
Kansas	50,895	59,599	62,522	57,114	63,921	64,492	68,012	83,094
Minnesota	172,991	179,877	171,504	186,702	206,386	195,527	228,950	201,588
Missouri	181,893	204,302	197,457	219,456	239,357	257,908	271,832	300,116
Nebraska	42,824	40,868	41,148	40,217	45,424	50,809	51,492	49,505
North Dakota	18,666	21,408	21,027	19,210	27,499	31,259	24,661	22,168
South Dakota	6,705	7,311	9,999	10,572	9,753	8,529	13,151	8,747
South Atlantic, total	1,756,223	1,917,006	1,972,948	2,162,270	2,215,066	2,288,870	2,334,582	2,498,741
Delaware	19,688	28,597	26,469	29,711	32,058	32,940	30,617	34,247
District of Columbia	91,879	87,081	109,860	111,571	152,642	142,130	128,798	127,125
Florida	217,377	242,496	230,035	260,555	258,624	267,913	293,132	333,533
Georgia	193,805	217,915	217,533	232,274	254,093	255,638	250,871	276,133
Maryland	622,221	670,782	687,348	778,465	747,577	791,081	781,583	827,086
North Carolina	340,513	384,525	385,329	429,349	449,208	465,193	486,674	518,993
South Carolina	54,996	60,405	57,009	71,678	72,810	89,870	105,543	114,629
Virginia	182,033	196,532	221,063	223,428	228,276	218,386	238,396	244,426
West Virginia	33,711	28,673	38,302	25,239	19,778	25,719	18,968	22,569
East South Central, total	393,861	425,091	424,482	449,999	487,143	485,882	538,563	562,003
Alabama	155,818	165,643	160,946	178,955	200,910	200,144	223,614	228,325
Kentucky	46,190	56,162	58,818	62,716	62,595	69,256	72,872	73,265
Mississippi	42,970	43,814	51,507	46,853	48,750	46,010	51,921	74,649
Tennessee	148,883	159,472	153,211	161,475	174,888	170,472	190,156	185,764
West South Central, total	677,292	780,423	781,400	832,948	850,984	893,300	940,352	978,706
Arkansas	25,785	29,504	32,557	37,973	38,585	41,605	42,962	46,840
Louisiana	101,680	105,472	96,317	122,573	104,716	121,057	133,059	133,247
Oklahoma	33,148	53,111	45,137	45,510	51,180	49,049	57,704	68,552
Texas	516,679	592,336	607,389	626,892	656,503	681,589	706,627	730,067
Mountain, total	595,569	650,023	672,695	738,315	741,753	701,090	748,186	885,286
Arizona	126,362	137,286	144,435	176,936	176,480	155,644	152,634	170,373
Colorado	190,435	219,198	209,789	244,578	256,185	256,646	292,271	372,241
Idaho	13,694	14,904	16,546	19,124	14,846	12,560	15,376	17,792
Montana	16,216	18,835	24,400	25,295	24,101	26,089	32,603	34,570
Nevada	21,909	25,062	24,865	27,328	23,734	23,032	23,750	30,274
New Mexico	86,483	89,216	112,115	101,821	94,145	90,310	83,676	96,959
Utah	129,584	132,812	123,175	130,229	140,664	123,031	132,821	147,366
Wyoming	10,886	12,710	17,370	13,004	11,598	13,778	15,055	15,711

See explanatory information, if any, and SOURCE at end of table.

Table B-5. Federal obligations for science and engineering research and development to universities and colleges, by geographic division and State: fiscal years 1991-98

[Dollars in thousands]

Geographic division and State	1991	1992	1993	1994	1995	1996	1997	1998
Pacific, total	1,924,227	2,096,434	2,042,706	2,264,733	2,327,245	2,371,789	2,501,407	2,692,635
Alaska	25,441	27,870	34,282	35,757	25,033	23,984	33,905	29,541
California	1,454,161	1,616,785	1,539,175	1,710,552	1,751,636	1,811,557	1,884,793	2,059,818
Hawaii	47,291	49,794	53,615	62,203	55,895	57,299	63,394	59,945
Oregon	124,579	123,796	130,083	137,876	153,560	138,188	168,445	169,153
Washington	272,755	278,189	285,551	318,345	341,121	340,761	350,870	374,178
Outlying Areas, total	25,533	29,436	29,185	34,938	30,755	36,965	37,860	38,579
American Samoa	657	680	679	668	665	662	391	390
Guam	1,325	1,656	1,438	1,722	1,951	1,809	1,858	1,696
Puerto Rico	21,650	25,154	24,884	30,197	25,461	32,218	33,245	34,138
Trust Territory of the Pacific Islands	853	779	974	983	1,133	1,224	1,298	1,374
Virgin Islands	1,048	1,167	1,210	1,368	1,545	1,052	1,068	981

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-6. Federal obligations for science and engineering research and development (R&D) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received in fiscal year 1998: fiscal years 1991-98

[Dollars in thousands]

Institution and ranking	1991	1992	1993	1994	1995	1996	1997	1998
Total, all institutions	10,091,898	10,926,788	11,025,098	11,898,103	12,180,859	12,345,709	13,019,428	13,847,428
1 Johns Hopkins University[1]	490,893	534,128	543,894	612,691	569,329	611,683	587,484	618,353
2 University of Washington	245,288	245,428	246,035	276,260	299,704	309,853	314,938	335,511
3 Stanford University	237,842	246,589	249,575	262,438	266,744	294,859	315,686	329,734
4 U of Michigan	193,954	210,000	214,612	240,833	243,579	261,284	270,858	288,635
5 U of Pennsylvania	169,352	178,002	187,281	190,296	202,252	216,699	242,011	273,583
6 U of CA San Diego	183,659	202,477	204,063	228,856	239,249	226,260	246,181	262,217
7 U of CA Los Angeles	194,359	202,754	195,788	224,376	216,423	208,356	216,958	246,381
8 MA Inst of Technology	232,619	249,852	253,612	265,540	280,298	229,174	228,287	242,731
9 Harvard University	161,719	176,967	169,173	190,125	191,499	205,360	215,939	229,546
10 U of CA San Francisco	178,698	195,178	175,443	204,404	201,770	218,935	222,045	221,428
Total 1st 10 institutions	2,288,383	2,441,375	2,439,476	2,695,819	2,710,847	2,782,463	2,860,387	3,048,119
11 Columbia U City New York	168,861	190,483	194,910	187,308	185,670	190,230	209,604	220,561
12 Yale University	152,513	172,304	169,151	182,754	179,542	197,042	205,272	216,102
13 U of Colorado	128,783	147,943	145,497	166,455	165,373	168,953	203,721	214,879
14 Washington University	125,282	134,336	133,210	149,860	165,373	186,572	194,615	212,817
15 U of WI Madison	179,079	192,471	190,607	207,645	207,734	208,300	195,287	210,861
16 Duke University	128,098	139,868	138,839	154,649	154,998	164,886	186,892	198,849
17 U of Minnesota	168,854	177,237	167,387	179,501	202,791	192,556	225,460	198,771
18 Cornell University	156,151	162,331	174,182	194,484	202,194	178,194	204,466	196,006
19 U of Pittsburgh	151,545	168,451	135,678	156,582	166,280	154,120	176,721	193,491
20 U of NC Chapel Hill	111,501	130,245	129,075	146,161	156,302	164,603	165,365	182,700
Total 1st 20 institutions	3,759,050	4,057,044	4,018,012	4,421,218	4,497,104	4,587,919	4,827,790	5,093,156
21 PA St U University Park	144,400	148,196	173,121	184,454	152,532	155,468	176,872	176,520
22 U of CA Berkeley	135,393	154,708	133,232	151,064	142,422	138,973	150,140	173,317
23 U of Southern California	133,074	141,449	125,297	149,909	152,179	164,049	156,099	167,139
24 U of Alabama Birmingham	90,355	94,055	90,740	104,409	120,191	134,107	151,204	160,710
25 Case Western Reserve U	87,747	88,518	89,608	99,483	127,350	136,514	143,194	151,057
26 CA Inst of Technology	80,585	97,956	87,702	83,772	113,684	112,221	107,597	133,844
27 U of IL Urbana-Champaign	110,509	111,615	116,116	119,674	115,717	116,740	125,787	130,932
28 University of Rochester	103,510	103,020	98,935	108,638	107,604	110,951	119,407	129,792
29 University of Arizona	95,206	106,234	107,832	144,036	137,077	120,770	117,055	129,790
30 Boston University	67,153	79,255	102,642	77,844	86,090	92,900	97,015	124,968
Total 1st 30 institutions	4,806,982	5,182,050	5,143,237	5,644,501	5,751,950	5,870,612	6,172,160	6,571,225
31 University of Chicago	97,949	98,668	99,378	102,363	106,723	118,110	119,411	121,552
32 Northwestern University	67,725	81,553	82,636	99,496	101,878	109,279	108,238	119,736
33 U of CA Davis	79,199	90,507	84,495	98,856	98,936	95,994	105,924	118,508
34 Baylor Col of Medicine	82,849	84,947	88,276	98,514	84,076	92,211	94,634	115,247
35 Scripps Rsch Inst, The	55,508	69,467	72,560	82,915	83,216	94,515	103,387	113,202
36 University of Iowa	85,113	92,133	87,875	94,500	93,867	93,542	100,489	112,647
37 Emory University	57,385	65,424	64,526	75,391	75,763	80,249	92,272	109,625
38 Vanderbilt University	76,443	84,390	82,091	87,238	94,421	92,050	106,732	108,281
39 U of TX Austin	95,063	110,616	117,225	103,155	115,879	104,489	94,607	107,370
40 Indiana U	69,205	88,348	81,374	82,946	89,030	90,158	99,164	105,891
Total 1st 40 institutions	5,573,421	6,048,103	6,003,673	6,569,875	6,695,739	6,841,209	7,197,018	7,703,284
41 NY University	86,150	96,349	77,694	92,767	85,543	84,169	95,235	104,293
42 Ohio State U	82,106	90,466	84,141	93,611	96,455	90,923	107,261	101,336
43 U of Virginia	66,916	77,182	79,221	76,035	78,951	84,141	90,292	100,562
44 University of Florida	63,270	92,533	77,359	73,037	82,450	81,495	89,709	98,495
45 University of Utah	71,966	76,441	77,407	84,896	93,783	88,622	93,190	97,320
46 U of MD College Park	72,115	71,901	76,326	80,617	92,754	88,507	90,461	96,092
47 Yeshiva University NY	72,115	73,413	64,627	71,337	64,692	73,438	80,171	94,939
48 U of TX SW Med Ctr Dals	55,878	60,673	61,269	72,361	75,607	84,331	92,547	92,375
49 University of Miami	68,511	71,329	67,315	83,694	80,703	76,826	82,435	90,099
50 Carnegie Mellon U	50,167	63,586	74,865	66,468	80,327	97,078	98,277	86,367
Total 1st 50 institutions	6,262,615	6,821,976	6,743,897	7,364,698	7,527,004	7,690,739	8,116,596	8,665,162

See explanatory information, if any, and SOURCE at end of table.

Table B-6. Federal obligations for science and engineering research and development (R&D) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received in fiscal year 1998: fiscal years 1991-98

[Dollars in thousands]

Institution and ranking	1991	1992	1993	1994	1995	1996	1997	1998
51 U Corp for Atmosph Rsch	4,822	5,688	1,297	4,012	16,324	22,544	16,361	81,834
52 CUNY Mt Sinai Schl of Med	50,037	51,178	43,638	53,533	54,403	62,386	68,789	81,293
53 LA St U All Campuses	55,952	46,287	58,296	67,984	51,701	60,706	66,507	78,894
54 U of MD Baltimore	48,125	51,943	49,992	61,050	65,906	69,243	68,574	77,942
55 U of TX Hlth Sci Houston	33,381	35,209	37,465	44,846	48,550	65,399	66,250	77,780
56 Princeton University	51,233	55,524	59,871	62,041	71,904	66,968	71,162	77,473
57 Michigan State University	62,793	70,861	67,733	68,484	69,265	64,492	67,060	77,360
58 SUNY at Stony Brook	50,403	57,915	58,590	61,832	70,047	75,718	75,920	77,176
59 U of CA Santa Barbara	44,469	49,055	51,464	60,008	59,684	59,855	60,257	75,211
60 Rutgers St U of NJ	45,852	57,574	70,118	65,676	71,530	65,769	72,763	73,853
Total 1st 60 institutions	6,709,682	7,303,210	7,242,361	7,914,164	8,106,318	8,303,819	8,750,239	9,443,978
61 U of CA Irvine	51,046	63,114	61,567	66,191	67,079	66,462	67,327	72,248
62 U of IL Chicago	46,517	47,144	55,202	60,139	51,428	55,833	58,852	72,160
63 Purdue University	64,543	71,320	74,940	77,952	71,321	70,557	79,279	67,958
64 U of TX MD Anderson Cancr	34,693	40,442	42,602	48,434	45,457	55,541	59,250	65,741
65 Oregon Hlth Sciences U	43,481	35,293	37,898	48,890	48,090	46,810	67,210	65,477
66 U of New Mexico	32,446	38,624	55,827	58,306	50,032	40,520	46,507	65,097
67 Georgetown University	37,668	36,516	56,523	61,119	88,469	73,604	59,782	63,442
68 Georgia Inst of Tech	56,008	45,833	60,577	51,372	75,556	67,890	61,004	63,081
69 Wayne State University	33,280	40,171	40,172	45,430	47,237	55,016	61,571	61,832
70 Colorado State University	43,671	50,514	46,365	56,550	53,950	51,266	57,472	61,814
Total 1st 70 institutions	7,153,035	7,772,181	7,774,034	8,488,547	8,704,937	8,887,318	9,368,493	10,102,828
71 Oregon State University	51,297	52,287	53,999	53,882	61,127	51,352	58,050	61,707
72 U of Med & Dent of NJ	41,465	41,046	41,788	52,020	46,067	53,851	57,085	60,402
73 U of Cincinnati	51,490	53,039	51,936	52,371	51,186	49,925	52,942	58,169
74 U of Kentucky All Cmp	35,914	45,221	46,594	48,581	47,985	55,713	61,450	57,646
75 Wake Forest University	35,224	36,901	37,768	51,789	49,485	53,342	52,927	57,503
76 NC State U	43,697	55,133	50,708	51,205	59,933	55,116	55,216	55,175
77 Thomas Jefferson U	26,068	33,405	38,180	45,066	47,843	50,212	50,263	55,172
78 Medical U of S Carolina	22,334	23,736	20,063	27,410	29,956	38,766	39,060	54,600
79 U of Hawaii Manoa	38,814	41,193	47,254	50,628	47,709	46,091	55,043	53,754
80 University of Kansas	28,341	34,480	33,531	34,887	38,777	43,347	42,817	53,485
Total 1st 80 institutions	7,527,679	8,188,622	8,195,855	8,956,386	9,185,005	9,385,033	9,893,346	10,670,441
81 U of MA Worcester	0	37,937	34,574	37,460	36,544	44,834	49,424	52,561
82 Woods Hole Ocean Inst	50,891	72,601	61,399	66,791	67,124	57,968	55,476	50,211
83 U of TX Hlth Sci S Anto	36,999	44,186	44,987	48,910	50,347	50,446	43,333	49,605
84 Virginia Commonwealth U	46,324	45,448	40,568	41,572	44,975	44,639	41,296	48,136
85 U of TX Med Brnch Galvstn	25,272	29,238	28,616	31,445	36,345	41,517	46,227	47,356
86 U of Connecticut	42,860	43,477	43,027	44,821	46,956	43,725	48,255	46,921
87 Virginia Poly Inst & St U	32,648	36,734	57,141	60,236	54,735	44,470	53,227	46,108
88 Florida State University	45,334	36,794	26,847	37,801	37,630	45,296	45,808	45,499
89 U of Missouri Columbia	26,537	38,030	28,558	29,465	32,113	30,279	38,486	44,012
90 Utah State University	52,338	50,617	38,862	38,400	37,041	29,385	34,676	43,979
Total 1st 90 institutions	7,886,882	8,623,684	8,600,434	9,393,287	9,628,815	9,817,592	10,349,554	11,144,829
91 Dartmouth College	36,042	40,035	41,349	40,051	40,684	44,900	45,771	43,893
92 Rockefeller University	39,718	37,512	35,184	42,406	42,702	46,029	43,820	43,843
93 University of Georgia	42,455	46,752	52,029	48,887	41,036	41,623	39,237	43,673
94 Medical Col of Wisconsin	23,281	24,714	24,713	43,635	30,935	36,724	37,341	43,317
95 Texas A&M U	52,367	58,798	65,829	58,587	56,223	57,573	58,341	43,226
96 Tufts University	41,585	44,355	45,015	45,144	32,895	38,380	43,300	42,181
97 U of Oklahoma	17,590	24,470	25,668	28,174	29,738	26,604	35,069	41,488
98 Brown University	36,015	35,819	34,483	36,998	42,065	40,026	44,119	40,398
99 Tulane University	24,276	33,039	27,238	40,907	37,440	42,068	43,574	39,517
100 University of Vermont	37,294	32,272	34,002	34,968	33,902	34,749	33,417	38,435
Total 1st 100 institutions	8,237,505	9,001,450	8,985,944	9,813,044	10,016,435	10,226,268	10,773,543	11,564,800

[1] See Technical Notes, "Changes in Reporting."

NOTE: Does not include R&D obligations to university-administered federally funded research and development centers. See tables B-37 and B-38.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-7. Federal obligations for science and engineering (S&E) to universities and colleges, by agency and type of activity: fiscal year 1998

[Dollars in thousands]

Agency	Total	Research and development				R&D plant [2]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
		Total	Research [1]	Advanced technology development [1]	Major systems development [1]					
Total, all agencies	16,031,984	13,847,428	NA	NA	NA	156,582	22,684	757,106	207,005	1,041,179
Department of Agriculture	872,072	433,864	NA	NA	NA	0	264	20,697	7,236	410,011
Department of Commerce	205,903	101,650	NA	NA	NA	2,125	8,792	3,297	53,370	36,669
Department of Defense, total	1,710,637	1,547,034	1,090,044	206,443	250,547	398	252	8,062	1,466	153,425
Department of the Air Force	358,869	343,625	287,964	40,436	15,225	0	0	0	1,395	13,849
Department of the Army	388,686	371,148	298,313	58,341	14,494	398	0	7,203	0	9,937
Department of the Navy	847,657	720,472	458,024	44,938	217,510	0	252	859	71	126,003
Other Department of Defense	115,425	111,789	45,743	62,728	3,318	0	0	0	0	3,636
Department of Education	242,643	98,311	NA	NA	NA	0	0	112,028	5,264	27,040
Department of Energy	632,490	611,365	NA	NA	NA	11,833	0	25	8,827	440
Environmental Protection Agency	186,019	168,106	NA	NA	NA	0	0	17,913	0	0
Department of Health & Human Services, total	8,629,051	7,971,944	NA	NA	NA	21,436	0	491,279	107,969	36,423
Administration on Aging	850	850	NA	NA	NA	0	0	0	0	0
Administration for Children & Families	9,874	9,874	NA	NA	NA	0	0	0	0	0
Agency for Health Care Policy & Research	42,561	38,418	NA	NA	NA	0	0	4,143	0	0
Agency for Toxic Substances & Disease Registry	2,472	2,094	NA	NA	NA	0	0	0	297	81
Centers for Disease Control & Prevention	103,309	61,368	NA	NA	NA	0	0	2,397	37,660	1,884
Food & Drug Administration	14,156	9,423	NA	NA	NA	0	0	225	4,178	330
Health Care Financing Administration	5,205	5,205	NA	NA	NA	0	0	0	0	0
Health Resources & Services Administration	113,829	10,190	NA	NA	NA	0	0	103,639	0	0
Indian Health Service	2,910	0	NA	NA	NA	0	0	2,910	0	0
National Institutes of Health	8,283,098	7,786,957	NA	NA	NA	21,436	0	376,705	63,872	34,128
Office of the Secretary	9,172	7,210	NA	NA	NA	0	0	0	1,962	0
Office of the Assistant Secretary, Planning & Evaluation	4,433	4,433	NA	NA	NA	0	0	0	0	0
Office of Public Health & Science	4,739	2,777	NA	NA	NA	0	0	0	1,962	0
Substance Abuse & Mental Health Services Administration	41,615	40,355	NA	NA	NA	0	0	1,260	0	0
Department of Housing & Urban Development	651	651	NA	NA	NA	0	0	0	0	0
Department of the Interior	65,897	65,860	NA	NA	NA	0	0	37	0	0
Department of Labor	6,193	6,193	NA	NA	NA	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-7. Federal obligations for science and engineering (S&E) to universities and colleges, by agency and type of activity: fiscal year 1998

[Dollars in thousands]

Agency	Total	Research and development				R&D plant [2]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
		Total	Research [1]	Advanced technology development [1]	Major systems development [1]					
Department of Transportation	43,781	38,147	NA	NA	NA	124	260	3,362	0	1,888
Agency for International Development [3]	33,859	9,969	NA	NA	NA	0	0	0	21,689	2,201
Appalachian Regional Commission	283	283	NA	NA	NA	0	0	0	0	0
National Aeronautics & Space Administration	924,091	790,888	NA	NA	NA	0	0	39,286	0	93,917
National Science Foundation	2,448,276	1,973,025	NA	NA	NA	120,666	13,116	61,120	1,184	279,165
Nuclear Regulatory Commission	5,180	5,180	NA	NA	NA	0	0	0	0	0
Office of Justice Programs	19,937	19,937	NA	NA	NA	0	0	0	0	0
Social Security Administration	5,021	5,021	NA	NA	NA	0	0	0	0	0

1 Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development obligations reported for universities and colleges are performed at university-administered laboratories that are separate from the academic departments. Furthermore, DoD states that much of its development obligations are for major systems development, that such obligations differ from its advanced technology development, and that DoD total development obligations are therefore not comparable with development obligations at other Federal agencies. Refer to table B-17 for DoD obligations to individual institutions, by research and development breakdowns.

2 See Technical Notes, "Categories of Support."

3 The Agency for International Development (AID) continues its long-term work on restructuring its internal database (New Management System, NMS) that will integrate the agency's budget, programming, accounting, and procurement systems. As a result, AID's response to the fiscal year (FY) 1998 Federal support survey has again been produced using an interim reporting system as it was for the FYs 1995-97 surveys. Any significant differences between AID's data reported for FYs 1995-98 and data reported prior to FY 1995 can be attributed to this change in reporting systems. In addition, AID anticipates that future responses to the Federal support survey may also differ from the FYs 1995-98 submissions since the NMS, which will eventually be the database for reporting this information, will be refined to produce more accurate data.

KEY: NA = not available

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-8. Federal obligations for science and engineering (S&E) to universities and colleges and the number of recipient institutions, by State and type of activity: fiscal year 1998

State	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
United States, total:							
Obligations (thousands)	$16,031,984	$13,847,428	$156,582	$22,684	$757,106	$207,005	$1,041,179
Number of institutions	1,118	827	129	293	576	244	530
Alabama:							
Obligations (thousands)	$262,235	$228,325	$152	$109	$10,147	$4,553	$18,949
Number of institutions	26	16	1	3	13	8	13
Alaska:							
Obligations (thousands)	$35,945	$29,541	$0	$100	$383	$1,312	$4,609
Number of institutions	6	6	0	1	2	1	2
Arizona:							
Obligations (thousands)	$205,623	$170,373	$2,851	$2,029	$9,634	$976	$19,760
Number of institutions	11	7	2	4	4	2	6
Arkansas:							
Obligations (thousands)	$64,146	$46,840	$0	$175	$5,104	$991	$11,036
Number of institutions	13	8	0	3	6	3	9
California:							
Obligations (thousands)	$2,316,824	$2,059,818	$56,078	$3,732	$111,740	$22,842	$62,614
Number of institutions	93	69	12	28	42	21	45
Colorado:							
Obligations (thousands)	$432,229	$372,241	$10,476	$209	$18,252	$17,220	$13,831
Number of institutions	18	14	4	3	7	3	9
Connecticut:							
Obligations (thousands)	$291,633	$266,541	$2,060	$340	$16,411	$878	$5,403
Number of institutions	15	13	1	3	9	2	3
Delaware:							
Obligations (thousands)	$41,037	$34,247	$110	$0	$1,231	$832	$4,617
Number of institutions	4	3	1	0	4	2	3
District of Columbia:							
Obligations (thousands)	$146,930	$127,125	$200	$183	$9,189	$2,443	$7,790
Number of institutions	9	8	1	3	7	3	6
Florida:							
Obligations (thousands)	$388,166	$333,533	$1,361	$441	$20,191	$11,939	$20,701
Number of institutions	31	23	4	9	16	9	17
Georgia:							
Obligations (thousands)	$353,350	$276,133	$1,072	$298	$16,694	$6,054	$53,099
Number of institutions	28	26	1	5	14	10	15
Hawaii:							
Obligations (thousands)	$74,294	$59,945	$67	$0	$2,675	$3,784	$7,823
Number of institutions	6	4	1	0	3	3	4
Idaho:							
Obligations (thousands)	$24,741	$17,792	$251	$129	$1,393	$74	$5,102
Number of institutions	3	3	2	2	2	1	3
Illinois:							
Obligations (thousands)	$575,025	$498,679	$16,790	$379	$27,527	$6,487	$25,163
Number of institutions	40	26	3	12	22	8	18
Indiana:							
Obligations (thousands)	$222,459	$194,622	$2,935	$180	$8,014	$764	$15,944
Number of institutions	15	12	3	5	9	2	4
Iowa:							
Obligations (thousands)	$184,724	$155,122	$517	$348	$8,433	$1,180	$19,124
Number of institutions	16	11	1	8	5	1	5
Kansas:							
Obligations (thousands)	$101,723	$83,094	$300	$91	$7,788	$0	$10,450
Number of institutions	8	6	1	4	7	0	3

See explanatory information, if any, and SOURCE at end of table.

Table B-8. Federal obligations for science and engineering (S&E) to universities and colleges and the number of recipient institutions, by State and type of activity: fiscal year 1998

State	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Kentucky:							
Obligations (thousands)	$95,886	$73,265	$0	$314	$7,297	$364	$14,646
Number of institutions	11	9	0	5	7	2	7
Louisiana:							
Obligations (thousands)	$161,415	$133,247	$1,499	$52	$5,289	$1,789	$19,539
Number of institutions	16	13	4	1	10	7	9
Maine:							
Obligations (thousands)	$23,886	$16,331	$573	$88	$1,650	$1,059	$4,185
Number of institutions	10	7	1	3	4	1	8
Maryland:							
Obligations (thousands)	$992,768	$827,086	$2,549	$296	$29,683	$13,467	$119,687
Number of institutions	29	19	3	6	13	7	16
Massachusetts:							
Obligations (thousands)	$939,126	$854,425	$9,865	$891	$51,648	$4,221	$18,076
Number of institutions	44	38	11	13	18	7	21
Michigan:							
Obligations (thousands)	$510,168	$450,411	$2,549	$1,368	$23,842	$7,450	$24,548
Number of institutions	27	21	4	13	13	3	12
Minnesota:							
Obligations (thousands)	$230,314	$201,588	$390	$136	$10,229	$3,191	$14,780
Number of institutions	20	19	1	6	8	2	8
Mississippi:							
Obligations (thousands)	$98,356	$74,649	$362	$161	$3,338	$2,875	$16,971
Number of institutions	18	14	2	5	9	6	7
Missouri:							
Obligations (thousands)	$341,020	$300,116	$1,428	$304	$15,861	$1,615	$21,696
Number of institutions	22	16	3	8	11	4	13
Montana:							
Obligations (thousands)	$47,224	$34,570	$450	$13	$3,048	$452	$8,691
Number of institutions	15	7	2	1	11	3	5
Nebraska:							
Obligations (thousands)	$66,331	$49,505	$0	$76	$2,942	$0	$13,808
Number of institutions	8	7	0	2	6	0	3
Nevada:							
Obligations (thousands)	$36,607	$30,274	$221	$0	$1,226	$2,231	$2,655
Number of institutions	5	4	1	0	3	1	3
New Hampshire:							
Obligations (thousands)	$78,832	$68,716	$2,235	$0	$3,510	$470	$3,901
Number of institutions	6	4	1	0	5	2	3
New Jersey:							
Obligations (thousands)	$256,808	$225,963	$3,446	$344	$11,546	$2,322	$13,187
Number of institutions	23	16	4	7	11	6	10
New Mexico:							
Obligations (thousands)	$141,869	$96,959	$1,547	$186	$7,016	$2,430	$33,731
Number of institutions	12	6	3	3	8	3	6
New York:							
Obligations (thousands)	$1,275,168	$1,153,179	$10,076	$1,081	$57,516	$7,048	$46,268
Number of institutions	95	79	10	21	50	15	41
North Carolina:							
Obligations (thousands)	$603,062	$518,993	$3,266	$663	$34,432	$13,780	$31,928
Number of institutions	31	26	5	7	17	11	17
North Dakota:							
Obligations (thousands)	$34,853	$22,168	$413	$103	$2,732	$381	$9,056
Number of institutions	11	4	2	4	9	3	3

See explanatory information, if any, and SOURCE at end of table.

Table B-8. Federal obligations for science and engineering (S&E) to universities and colleges and the number of recipient institutions, by State and type of activity: fiscal year 1998

State	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Ohio:							
Obligations (thousands)	$427,418	$384,494	$2,126	$541	$17,843	$1,514	$20,900
Number of institutions	38	28	5	11	15	2	21
Oklahoma:							
Obligations (thousands)	$97,515	$68,552	$1,049	$73	$3,777	$5,824	$18,240
Number of institutions	13	10	2	2	4	4	8
Oregon:							
Obligations (thousands)	$200,106	$169,153	$1,106	$2,187	$12,628	$5,570	$9,462
Number of institutions	18	14	1	8	7	4	10
Pennsylvania:							
Obligations (thousands)	$961,528	$881,525	$4,910	$1,103	$37,362	$4,291	$32,337
Number of institutions	58	44	4	21	31	6	19
Rhode Island:							
Obligations (thousands)	$74,965	$62,663	$755	$21	$4,416	$169	$6,941
Number of institutions	4	2	2	1	3	1	3
South Carolina:							
Obligations (thousands)	$135,938	$114,629	$180	$1,517	$4,590	$1,791	$13,231
Number of institutions	20	10	1	6	8	6	12
South Dakota:							
Obligations (thousands)	$18,090	$8,747	$509	$25	$1,054	$196	$7,559
Number of institutions	10	5	3	1	7	1	4
Tennessee:							
Obligations (thousands)	$229,579	$185,764	$995	$259	$16,826	$3,134	$22,601
Number of institutions	22	16	1	6	12	6	12
Texas:							
Obligations (thousands)	$845,965	$730,067	$3,308	$265	$34,906	$7,196	$70,223
Number of institutions	71	53	6	7	42	23	29
Utah:							
Obligations (thousands)	$165,549	$147,366	$1,300	$16	$8,389	$1,579	$6,899
Number of institutions	5	4	1	2	3	1	4
Vermont:							
Obligations (thousands)	$46,682	$39,269	$106	$35	$2,676	$375	$4,221
Number of institutions	8	5	1	1	4	1	3
Virginia:							
Obligations (thousands)	$283,816	$244,426	$743	$265	$16,759	$3,810	$17,813
Number of institutions	24	19	3	7	13	5	12
Washington:							
Obligations (thousands)	$431,776	$374,178	$2,403	$438	$22,638	$12,006	$20,113
Number of institutions	17	12	1	7	8	2	7
West Virginia:							
Obligations (thousands)	$49,687	$22,569	$0	$23	$2,510	$1,085	$23,500
Number of institutions	10	6	0	1	6	1	5
Wisconsin:							
Obligations (thousands)	$312,879	$274,320	$446	$1,030	$16,606	$1,782	$18,695
Number of institutions	31	19	1	13	15	2	12
Wyoming:							
Obligations (thousands)	$19,476	$15,711	$429	$0	$592	$155	$2,589
Number of institutions	1	1	1	0	1	1	1
American Samoa:							
Obligations (thousands)	$1,197	$390	$0	$0	$0	$90	$717
Number of institutions	1	1	0	0	0	1	1
Guam:							
Obligations (thousands)	$3,654	$1,696	$0	$0	$67	$426	$1,465
Number of institutions	1	1	0	0	1	1	1

See explanatory information, if any, and SOURCE at end of table.

Table B-8. Federal obligations for science and engineering (S&E) to universities and colleges and the number of recipient institutions, by State and type of activity: fiscal year 1998

State	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Puerto Rico:							
Obligations (thousands)	$66,712	$34,138	$129	$67	$5,671	$8,341	$18,367
Number of institutions	18	10	1	1	10	13	7
Trust Territory of the Pacific Islands:							
Obligations (thousands)	$3,312	$1,374	$0	$0	$0	$0	$1,938
Number of institutions	2	2	0	0	0	0	2
Virgin Islands:							
Obligations (thousands)	$1,363	$981	$0	$0	$185	$197	$0
Number of institutions	1	1	0	0	1	1	0

[1] See Technical Notes, "Categories of Support."

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-9. Federal obligations for science and engineering to universities and colleges, by geographic division, State, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division and State	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
United States, total	16,031,984	872,072	205,903	1,710,637	242,643	632,490	186,019	8,629,051	65,897	924,091	2,448,276	114,905
New England, total	1,455,124	41,020	13,159	144,787	12,416	96,938	8,600	819,081	1,869	65,963	240,639	10,652
Connecticut	291,633	5,557	1,917	9,981	2,006	10,721	475	231,160	58	4,440	24,844	274
Maine	23,886	7,326	2,505	3,357	545	73	779	2,870	300	1,068	5,063	0
Massachusetts	939,126	10,098	1,810	115,193	7,353	82,338	5,434	489,859	480	45,750	173,439	7,372
New Hampshire	78,832	4,211	2,747	6,103	318	739	1,041	37,529	74	10,760	12,417	2,893
Rhode Island	74,365	6,360	3,629	8,509	248	2,351	827	28,346	846	3,546	20,090	113
Vermont	46,682	7,268	551	1,544	1,946	716	44	29,317	111	399	4,786	0
Middle Atlantic, total	2,493,504	66,759	14,096	223,301	25,743	103,707	18,762	1,572,890	3,007	56,610	398,383	7,246
New Jersey	256,808	11,233	4,858	25,490	1,175	17,496	6,969	107,611	67	10,208	70,304	1,397
New York	1,275,168	31,098	8,159	64,395	14,637	63,580	5,272	844,982	1,459	31,252	208,684	1,650
Pennsylvania	961,528	24,428	1,079	133,416	9,931	22,631	6,521	620,297	1,481	18,150	119,395	4,199
East North Central, total	2,047,949	113,963	13,792	145,401	34,944	86,774	27,078	1,162,948	3,149	56,338	387,881	15,681
Illinois	575,025	24,730	4,038	46,218	11,082	22,322	4,392	302,766	1,562	11,168	144,887	1,860
Indiana	222,459	20,914	407	14,700	774	18,395	2,139	107,857	127	4,252	51,257	1,637
Michigan	510,168	26,620	6,931	34,000	7,511	17,435	15,571	290,378	158	12,868	94,999	3,697
Ohio	427,418	21,228	583	40,514	6,163	9,477	4,689	275,909	367	16,908	45,773	5,807
Wisconsin	312,879	20,471	1,833	9,969	9,414	19,145	287	186,038	935	11,142	50,965	2,680
West North Central, total	977,055	121,101	6,311	43,328	19,343	28,687	12,427	585,228	3,414	30,129	122,443	4,644
Iowa	184,724	26,836	2,550	5,063	1,585	6,144	2,009	112,983	347	9,548	17,092	567
Kansas	101,723	13,571	733	5,519	9,708	4,185	4,162	43,160	710	4,552	15,298	125
Minnesota	230,314	20,192	778	15,577	1,530	6,870	1,890	141,731	562	3,877	37,057	250
Missouri	341,020	24,726	1,114	10,592	4,863	4,373	2,991	257,803	977	5,382	28,134	65
Nebraska	66,331	16,403	195	4,460	861	705	0	25,259	233	2,342	12,736	3,137
North Dakota	34,853	11,362	846	1,535	364	6,360	1,100	3,685	65	3,064	5,972	500
South Dakota	18,090	8,011	95	582	432	50	275	607	520	1,364	6,154	0
South Atlantic, total	2,994,754	154,098	38,427	568,274	49,063	98,314	33,531	1,439,824	7,825	244,887	309,402	51,109
Delaware	41,037	5,274	1,572	8,529	920	1,323	1,604	6,752	75	2,301	12,635	52
District of Columbia	146,930	1,786	776	19,251	5,113	1,896	2,343	90,023	0	7,453	10,574	7,715
Florida	388,166	22,134	11,351	56,239	11,458	20,811	1,946	158,825	3,468	27,255	72,005	2,674
Georgia	353,350	29,630	5,770	65,872	3,596	8,196	3,658	172,144	517	14,319	47,206	2,442
Maryland	992,768	14,363	8,017	314,636	3,787	11,586	6,381	423,224	510	136,102	57,293	16,869
North Carolina	603,062	35,884	6,743	52,067	15,044	11,136	14,997	393,380	1,294	10,285	51,067	11,165
South Carolina	135,938	15,948	1,988	21,743	2,503	20,528	787	48,938	199	2,649	19,929	726
Virginia	283,816	20,164	2,003	27,410	5,964	20,337	1,810	134,552	1,646	25,833	37,432	6,665
West Virginia	49,687	8,915	207	2,527	678	2,501	5	11,986	116	18,690	1,261	2,801
East South Central, total	686,056	99,765	8,764	40,496	15,136	23,013	3,659	376,585	2,853	55,465	56,214	4,106
Alabama	262,235	24,156	422	16,520	4,553	4,490	171	156,636	268	35,615	15,823	3,581
Kentucky	95,886	21,840	245	3,270	2,383	2,946	1,359	51,064	289	1,825	10,640	25
Mississippi	98,356	31,093	5,210	11,428	1,584	7,779	323	17,042	801	12,892	10,204	0
Tennessee	229,579	22,676	2,887	9,278	6,616	7,798	1,806	151,843	1,495	5,133	19,547	500
West South Central, total	1,169,041	106,672	15,071	135,624	17,467	33,355	21,659	644,432	8,086	59,934	123,699	3,042
Arkansas	64,146	23,724	451	3,406	3,644	100	381	24,876	244	1,562	5,258	500
Louisiana	161,415	22,277	2,522	28,021	1,858	8,250	7,458	65,114	4,148	5,371	16,200	196
Oklahoma	97,515	21,562	5,031	8,043	2,139	3,481	1,859	30,049	338	8,581	16,066	366
Texas	845,965	39,109	7,067	96,154	9,826	21,524	11,961	524,393	3,356	44,420	86,175	1,980

See explanatory information, if any, and SOURCE at end of table.

Table B-9. Federal obligations for science and engineering to universities and colleges, by geographic division, State, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division and State	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
Mountain, total	1,073,318	64,234	48,422	104,715	21,230	41,163	20,144	370,088	12,967	131,543	256,762	2,050
Arizona	205,623	10,029	3,104	20,155	3,240	4,523	5,846	79,280	2,273	22,201	54,622	350
Colorado	432,229	10,709	35,238	18,823	7,709	11,209	6,942	156,247	3,997	56,088	124,754	513
Idaho	24,741	7,736	807	2,799	1,066	3,046	107	1,965	2,716	850	3,575	74
Montana	47,224	9,482	5,499	4,541	2,394	985	962	7,006	1,190	2,530	12,535	100
Nevada	36,607	4,066	2,899	1,559	112	5,903	1,504	9,891	869	869	8,615	320
New Mexico	141,869	9,086	200	25,191	1,581	10,027	3,243	36,401	836	35,653	19,194	457
Utah	165,549	8,794	643	29,070	4,777	4,506	1,540	77,455	335	12,660	25,533	236
Wyoming	19,476	4,332	32	2,577	351	964	0	1,843	751	692	7,934	0
Pacific, total	3,058,945	83,690	47,516	302,532	45,862	119,650	40,159	1,626,694	22,677	214,914	538,901	16,350
Alaska	35,945	4,113	4,373	936	346	50	780	2,380	3,291	10,254	9,422	0
California	2,316,824	32,887	19,255	246,602	29,186	91,170	26,989	1,246,649	10,078	176,850	425,339	11,819
Hawaii	74,294	11,544	4,627	4,349	1,463	2,669	56	19,587	3,099	10,544	15,356	1,000
Oregon	200,106	16,565	7,437	16,654	8,961	3,802	7,118	92,598	4,804	5,569	33,702	2,896
Washington	431,776	18,581	11,824	33,991	5,906	21,959	5,216	265,480	1,405	11,697	55,082	635
Outlying Areas, total	76,238	20,770	345	2,179	1,439	889	0	31,281	50	5,308	13,952	25
American Samoa	1,197	1,059	0	0	90	48	0	0	0	0	0	0
Guam	3,654	2,674	200	163	0	0	0	377	0	80	160	0
Puerto Rico	66,712	12,874	145	2,016	1,349	841	0	30,522	0	5,228	13,712	25
Trust Territory of the Pacific Islands	3,312	3,232	0	0	0	0	0	0	0	0	80	0
Virgin Islands	1,363	931	0	0	0	0	0	382	50	0	0	0

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

NOTE: The Agency for International Development (AID) continues its long-term work on restructuring its internal database (New Management System, NMS) that will integrate the agency's budget, programming, accounting, and procurement systems. As a result, AID's response to the fiscal year (FY) 1998 Federal support survey has again been produced using an interim reporting system as it was for the FYs 1995-97 surveys. Any significant differences between AID's data reported for FYs 1995-98 and data reported prior to FY 1995 can be attributed to this change in reporting systems. In addition, AID anticipates that future responses to the Federal support survey may also differ from the FYs 1995-98 submissions since the NMS, which will eventually be the database for reporting this information, will be refined to produce more accurate data.

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
Int = Department of the Interior
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-10. Federal obligations for fellowships, traineeships, and training grants to universities and colleges, by geographic division, State, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division and State	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
United States, total	757,106	20,697	3,297	8,062	112,028	25	17,913	491,279	37	39,286	61,120	3,362
New England, total	80,311	296	240	567	5,437	0	1,251	57,752	0	2,059	12,441	268
Connecticut	16,411	1	53	0	1,197	0	135	13,730	0	301	994	0
Maine	1,650	72	144	0	294	0	77	1,063	0	0	0	0
Massachusetts	51,648	112	0	567	2,414	0	600	36,345	0	906	10,465	239
New Hampshire	3,510	20	3	0	168	0	102	2,727	0	383	78	29
Rhode Island	4,416	91	40	0	248	0	303	2,621	0	213	900	0
Vermont	2,676	0	0	0	1,116	0	34	1,266	0	256	4	0
Middle Atlantic, total	106,424	1,531	73	2,383	9,044	0	1,320	80,570	0	2,810	7,885	808
New Jersey	11,546	238	0	585	544	0	701	6,986	0	466	1,872	154
New York	57,516	909	57	820	4,149	0	482	44,487	0	1,192	5,119	301
Pennsylvania	37,362	384	16	978	4,351	0	137	29,097	0	1,152	894	353
East North Central, total	93,832	2,860	110	730	11,990	0	3,130	62,557	0	3,847	8,223	385
Illinois	27,527	407	0	378	4,037	0	829	17,999	0	980	2,897	0
Indiana	8,014	728	0	0	675	0	1,090	4,316	0	420	785	0
Michigan	23,842	941	71	65	1,346	0	867	16,790	0	935	2,442	385
Ohio	17,843	190	39	220	3,597	0	344	12,070	0	962	421	0
Wisconsin	16,606	594	0	67	2,335	0	0	11,382	0	550	1,678	0
West North Central, total	49,039	3,499	22	336	9,510	0	285	30,495	0	2,589	1,918	385
Iowa	8,433	649	0	65	1,189	0	80	5,887	0	563	0	0
Kansas	7,788	417	0	65	4,514	0	12	2,305	0	367	108	0
Minnesota	10,229	872	0	0	748	0	124	6,540	0	454	1,491	0
Missouri	15,861	496	5	0	2,059	0	69	12,546	0	421	265	0
Nebraska	2,942	295	17	206	473	0	0	1,358	0	271	28	294
North Dakota	2,732	423	0	0	342	0	0	1,572	0	278	26	91
South Dakota	1,054	347	0	0	185	0	0	287	0	235	0	0
South Atlantic, total	135,279	4,118	1,033	1,726	24,087	25	6,462	82,843	0	10,562	4,212	211
Delaware	1,231	189	81	0	0	0	50	578	0	256	77	0
District of Columbia	9,189	5	94	482	4,048	0	166	3,932	0	396	66	0
Florida	20,191	789	192	0	6,584	25	713	10,211	0	1,316	331	30
Georgia	16,694	814	89	0	1,667	0	326	8,890	0	3,914	994	0
Maryland	29,683	428	150	250	2,447	0	343	24,170	0	1,257	517	121
North Carolina	34,432	981	133	994	3,506	0	4,580	21,557	0	813	1,808	60
South Carolina	4,590	4	183	0	1,481	0	9	2,427	0	438	48	0
Virginia	16,759	904	111	0	3,676	0	270	9,603	0	1,850	345	0
West Virginia	2,510	4	0	0	678	0	5	1,475	0	322	26	0
East South Central, total	37,608	1,623	206	269	9,095	0	120	22,140	0	3,190	575	390
Alabama	10,147	561	17	204	2,183	0	61	5,560	0	1,537	24	0
Kentucky	7,297	298	0	0	2,383	0	0	3,855	0	345	416	0
Mississippi	3,338	593	189	0	281	0	0	1,653	0	596	26	0
Tennessee	16,826	171	0	65	4,248	0	59	11,072	0	712	109	390
West South Central, total	49,076	3,204	29	334	9,830	0	645	29,863	17	2,244	2,563	347
Arkansas	5,104	508	0	0	2,321	0	0	1,803	0	366	0	106
Louisiana	5,289	536	6	0	1,185	0	151	2,838	17	507	49	0
Oklahoma	3,777	243	14	0	1,135	0	52	1,892	0	257	184	0
Texas	34,906	1,917	9	334	5,189	0	442	23,330	0	1,114	2,330	241

See explanatory information, if any, and SOURCE at end of table.

Table B-10. Federal obligations for fellowships, traineeships, and training grants to universities and colleges, by geographic division, State, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division and State	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
Mountain, total	43,550	2,236	1,145	506	14,840	0	1,928	20,196	0	5,437	3,262	0
Arizona	9,634	268	0	0	2,214	0	465	4,424	0	784	1,479	0
Colorado	18,252	21	1,141	181	5,057	0	794	8,743	0	1,118	1,197	0
Idaho	1,393	64	0	0	815	0	7	144	0	363	0	0
Montana	3,048	473	0	0	1,105	0	76	1,094	0	300	0	0
Nevada	1,226	0	0	200	112	0	483	192	0	213	26	0
New Mexico	7,016	1,132	0	125	1,581	0	54	2,174	0	1,795	155	0
Utah	8,389	277	4	0	3,856	0	49	3,199	0	610	394	0
Wyoming	592	1	0	0	100	0	0	226	0	254	11	0
Pacific, total	150,064	834	412	1,211	18,127	0	2,772	99,719	20	6,360	20,041	568
Alaska	383	1	0	0	95	0	0	32	20	235	0	0
California	111,740	642	14	1,211	10,062	0	1,924	73,814	0	4,448	19,280	345
Hawaii	2,675	1	0	0	631	0	56	1,446	0	457	84	0
Oregon	12,628	20	154	0	5,264	0	437	6,155	0	400	198	0
Washington	22,638	170	244	0	2,075	0	355	18,272	0	820	479	223
Outlying Areas, total	5,923	496	27	0	68	0	0	5,144	0	188	0	0
Guam	67	67	0	0	0	0	0	0	0	0	0	0
Puerto Rico	5,671	429	27	0	68	0	0	4,959	0	188	0	0
Virgin Islands	185	0	0	0	0	0	0	185	0	0	0	0

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

KEY:
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SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-11. Federal obligations for science and engineering (S&E) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by type of activity: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Total, all institutions	16,031,984	13,847,428	156,582	22,684	757,106	207,005	1,041,179
1 Johns Hopkins University	744,925	618,353	517	0	21,448	9,750	94,857
2 University of Washington	380,690	335,511	2,403	0	20,184	9,925	12,667
3 Stanford University	353,306	329,734	474	0	19,650	38	3,410
4 U of Michigan	314,670	288,635	1,181	0	17,283	4,511	3,060
5 U of CA San Diego	297,340	262,217	21,421	0	10,838	2,203	661
6 U of Pennsylvania	293,450	273,583	1,964	60	15,360	1,048	1,435
7 U of CA Los Angeles	265,677	246,381	204	0	14,215	1,140	3,737
8 MA Inst of Technology	262,156	242,731	5,429	252	12,012	15	1,717
9 Harvard University	255,237	229,546	678	0	22,091	1,289	1,633
10 U of CA San Francisco	245,334	221,428	2,000	0	18,720	2,063	1,123
Total 1st 10 institutions	3,412,785	3,048,119	36,[illegible]	312	171,801	31,982	124,300
11 U of Colorado	242,967	214,879	0	0	15,039	7,798	5,251
12 U of WI Madison	239,625	210,861	446	49	11,990	168	16,111
13 Columbia U City New York	237,429	220,561	0	53	13,102	1,228	2,485
14 Yale University	233,502	216,102	2,060	0	13,453	486	1,401
15 Cornell University	230,408	196,006	6,480	48	11,951	658	15,265
16 U of Minnesota	225,997	198,771	390	42	9,792	3,139	13,863
17 Washington University	224,755	212,817	500	40	10,295	1,003	100
18 Duke University	211,793	198,849	890	75	10,917	235	827
19 U of NC Chapel Hill	207,368	182,700	1,300	0	12,254	10,450	664
20 U of Pittsburgh	207,212	193,491	1,518	20	7,103	2,157	2,923
Total 1st 20 institutions	5,673,841	5,093,156	49,855	639	287,697	59,304	183,190
21 U of CA Berkeley	206,186	173,317	1,578	96	12,897	998	17,300
22 PA St U University Park	203,633	176,520	0	256	5,309	204	21,344
23 U of Southern California	175,606	167,139	204	0	4,385	1,131	2,747
24 U of Alabama Birmingham	169,627	160,710	152	0	3,712	2,338	2,715
25 CA Inst of Technology	168,711	133,844	26,426	0	4,687	0	3,754
26 U of IL Urbana-Champaign	164,211	130,932	13,822	0	5,120	1,395	12,942
27 Case Western Reserve U	158,882	151,057	1,095	0	6,330	0	400
28 University of Arizona	146,938	129,790	2,303	0	7,067	761	7,017
29 University of Rochester	136,111	129,792	260	0	5,817	0	242
30 Boston University	134,423	124,968	663	0	7,165	1,059	568
Total 1st 30 institutions	7,338,169	6,571,225	96,358	991	350,186	67,190	252,219
31 Baylor Col of Medicine	134,066	115,247	0	0	5,264	866	12,689
32 University of Chicago	131,803	121,552	0	0	9,042	0	1,209
33 U of TX Austin	129,131	107,370	408	0	5,009	0	16,344
34 Northwestern University	127,999	119,736	1,265	0	5,031	129	1,838
35 U of CA Davis	124,572	118,508	1,030	4	4,087	356	587
36 University of Iowa	123,427	112,647	517	15	6,228	1,180	2,840
37 Vanderbilt University	122,154	108,281	995	0	10,696	288	1,894
38 Ohio State U	119,143	101,336	332	0	4,130	0	13,345
39 Emory University	116,268	109,625	0	0	4,878	450	1,315
40 University of Florida	114,590	98,495	190	0	5,742	1,253	8,910
Total 1st 40 institutions	8,581,322	7,684,022	101,095	1,010	410,293	71,712	313,190

See explanatory information, if any, and SOURCE at end of table.

Table B-11. Federal obligations for science and engineering (S&E) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by type of activity: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
41 Scripps Rsch Inst, The	114,149	113,202	400	0	434	0	113
42 Indiana U	112,683	105,891	205	0	3,686	414	2,487
43 NY University	110,524	104,293	115	18	5,617	343	138
44 U of Virginia	108,412	100,562	0	0	6,380	432	1,038
45 U of MD College Park	107,634	96,092	532	0	1,023	1,903	8,084
46 University of Utah	105,411	97,320	1,300	0	4,888	1,579	324
47 University of Miami	101,225	90,099	500	20	4,727	5,307	572
48 Yeshiva University NY	100,569	94,939	664	37	4,729	200	0
49 Michigan State University	96,979	77,360	997	64	2,305	1,120	15,133
50 U of TX SW Med Ctr Dals	96,585	92,375	0	0	4,210	0	0
Total 1st 50 institutions	9,635,493	8,656,155	105,808	1,149	448,292	83,010	341,079
51 U Corp for Atmosph Rsch	92,000	81,834	9,641	0	0	0	525
52 LA St U All Campuses	90,839	78,894	450	52	1,810	44	9,589
53 Georgia Inst of Tech	90,742	63,081	1,072	87	2,126	286	24,090
54 Carnegie Mellon U	90,008	86,367	428	116	664	0	2,433
55 Purdue University	86,074	67,958	2,194	55	2,724	350	12,793
56 Rutgers St U of NJ	85,987	73,853	959	0	2,338	1,089	7,748
57 Princeton University	85,097	77,473	1,486	0	4,701	670	767
58 U of MD Baltimore	84,641	77,942	1,500	0	2,923	390	1,886
59 CUNY Mt Sinai Schl of Med	84,342	81,293	0	0	2,354	695	0
60 SUNY at Stony Brook	83,338	77,176	928	0	2,321	133	2,780
Total 1st 60 institutions	10,508,561	9,422,026	124,466	1,459	470,253	86,667	403,690
61 U of IL Chicago	81,907	72,160	1,703	29	3,983	834	3,198
62 U of TX Hlth Sci Houston	81,295	77,780	0	0	2,469	668	378
63 NC State U	79,368	55,175	24	69	3,884	511	19,705
64 U of CA Santa Barbara	79,201	75,211	0	260	1,162	0	2,568
65 Colorado State University	77,671	61,814	597	0	944	8,932	5,384
66 U of CA Irvine	77,401	72,248	1,187	0	2,182	147	1,637
67 U of Kentucky All Cmp	74,704	57,646	0	62	5,012	272	11,712
68 Oregon State University	73,770	61,707	0	15	1,747	4,574	5,727
69 U of New Mexico	71,889	65,097	992	23	3,317	807	1,653
70 Oregon Hlth Sciences U	70,828	65,477	0	0	4,493	568	290
Total 1st 70 institutions	11,276,595	10,086,341	128,969	1,917	499,446	103,980	455,942
71 Georgetown University	68,729	63,442	0	0	2,656	0	2,631
72 U of TX MD Anderson Cancr	67,891	65,741	0	0	1,850	300	0
73 U of Hawaii Manoa	67,681	53,754	67	0	2,642	3,697	7,521
74 Wayne State University	66,983	61,832	0	48	2,734	1,819	550
75 U of Med & Dent of NJ	64,763	60,402	500	0	3,295	255	311
76 U of Missouri Columbia	64,594	44,012	550	57	2,637	120	17,218
77 Texas A&M U	64,395	43,226	794	0	1,588	223	18,564
78 U of Cincinnati	63,268	58,169	202	0	3,067	1,450	380
79 University of Kansas	62,404	53,485	0	44	6,648	0	2,227
80 University of Georgia	60,865	43,673	0	0	1,566	903	14,723
Total 1st 80 institutions	11,928,168	10,634,077	131,082	2,066	528,129	112,747	520,067

See explanatory information, if any, and SOURCE at end of table.

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Table B-11. Federal obligations for science and engineering (S&E) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by type of activity: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
81 Wake Forest University	60,836	57,503	944	0	2,389	0	0
82 Virginia Poly Inst & St U	60,033	46,108	0	64	1,387	2,676	9,798
83 Thomas Jefferson U	58,516	55,172	0	0	3,344	0	0
84 Medical U of S Carolina	56,374	54,600	0	0	1,432	342	0
85 U of MA Worcester	54,936	52,561	0	0	2,041	294	40
86 Iowa State University	54,739	38,382	0	36	1,279	0	15,042
87 Virginia Commonwealth U	54,155	48,136	170	0	4,156	515	1,178
88 Utah State University	53,843	43,979	0	0	3,393	0	6,471
89 U of Connecticut	53,491	46,921	0	268	2,033	392	3,877
90 U of TX Hlth Sci S Anto	52,942	49,605	0	0	3,115	139	83
Total 1st 90 institutions	12,488,033	11,127,044	132,196	2,434	552,698	117,105	556,556
91 New Mexico St U	52,866	21,081	416	128	1,669	870	28,702
92 Woods Hole Ocean Inst	52,865	50,211	1,053	0	100	0	1,501
93 U of TX Med Brnch Galvstn	51,081	47,356	1,231	0	2,406	88	0
94 Mississippi State U	50,773	38,083	0	40	220	0	12,430
95 U of Oklahoma	49,746	41,488	938	0	2,289	4,775	256
96 Florida State University	47,790	45,499	462	0	1,549	18	262
97 Dartmouth College	47,529	43,893	0	0	2,674	445	517
98 Medical Col of Wisconsin	45,866	43,317	0	0	929	1,614	6
99 Rockefeller University	45,441	43,843	0	0	1,598	0	0
100 Tufts University	45,416	42,181	0	0	1,929	865	441
Total 1st 100 institutions	12,977,406	11,543,996	136,296	2,602	568,061	125,780	600,671

[1] See Technical Notes, "Categories of Support."

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-12. Federal obligations for science and engineering to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Total, all institutions	16,031,984	872,072	205,903	1,710,637	242,643	632,490	186,019	8,629,051	924,091	2,448,276	180,802
1 Johns Hopkins University	744,925	927	404	293,258	864	3,411	2,269	320,286	90,725	17,530	15,251
2 University of Washington	380,690	4,903	11,622	28,779	4,346	15,928	4,625	252,218	11,034	45,410	1,825
3 Stanford University	353,306	20	523	40,299	2,519	8,024	3,653	177,831	70,285	46,226	3,926
4 U of Michigan	314,670	675	5,922	24,437	3,994	8,361	10,590	210,486	5,870	41,086	3,249
5 U of CA San Diego	297,340	90	0	31,271	0	13,930	26	155,551	12,343	81,939	2,190
6 U of Pennsylvania	293,450	985	331	10,195	3,324	6,929	391	250,442	1,293	19,550	10
7 U of CA Los Angeles	265,677	311	722	23,234	3,735	19,063	1,973	182,116	10,854	23,373	296
8 MA Inst of Technology	262,156	0	384	58,477	0	64,415	0	62,577	28,941	46,225	1,137
9 Harvard University	255,237	817	172	11,420	2,672	6,598	1,091	196,604	5,639	26,140	4,084
10 U of CA San Francisco	245,334	0	0	2,496	375	676	0	238,694	713	2,380	0
Total 1st 10 institutions	3,412,785	8,728	20,080	523,866	21,829	147,335	24,618	2,046,805	237,697	349,859	31,968
11 U of Colorado	242,967	87	13,440	9,281	4,944	5,522	2,930	126,968	46,298	31,937	1,560
12 U of WI Madison	239,625	19,855	0	8,332	0	17,291	0	136,668	10,478	44,881	2,120
13 Columbia U City New York	237,429	0	0	7,894	0	8,252	212	174,445	11,565	34,897	164
14 Yale University	233,502	946	0	6,522	0	9,859	107	196,914	4,023	15,117	14
15 Cornell University	230,408	29,631	289	15,849	350	4,309	567	105,596	5,199	67,899	719
16 U of Minnesota	225,997	19,889	678	15,087	1,420	6,870	1,857	141,164	3,746	34,525	761
17 Washington University	224,755	274	41	5,472	0	2,140	300	201,671	3,877	10,963	17
18 Duke University	211,793	1,000	193	20,608	1,025	6,121	1,429	162,822	1,351	16,979	265
19 U of NC Chapel Hill	207,368	370	114	11,065	5,962	1,500	9,424	155,497	1,359	12,669	9,408
20 U of Pittsburgh	207,212	179	94	8,739	1,878	3,992	0	175,213	1,345	15,564	208
Total 1st 20 institutions	5,673,841	80,959	34,929	632,715	37,408	213,191	41,444	3,623,763	326,938	635,290	47,204
21 U of CA Berkeley	206,186	14,837	148	22,086	1,029	5,676	4,080	70,473	28,859	56,982	2,016
22 PA St U University Park	203,633	23,083	507	68,817	1,484	6,271	4,702	60,233	10,055	25,161	3,320
23 U of Southern California	175,606	0	1,322	41,162	649	1,274	0	102,942	3,592	23,773	892
24 U of Alabama Birmingham	169,627	219	0	6,058	1,831	2,539	0	137,474	12,955	5,729	2,822
25 CA Inst of Technology	168,711	0	0	38,030	0	9,459	3,074	27,226	20,372	69,825	725
26 U of IL Urbana-Champaign	164,211	23,198	282	24,082	1,096	3,435	2,571	30,545	4,609	72,396	1,997
27 Case Western Reserve U	158,882	81	17	3,615	373	808	0	145,473	3,208	5,277	30
28 University of Arizona	146,938	8,263	473	16,809	1,578	2,760	2,201	66,633	19,313	27,122	1,786
29 University of Rochester	136,111	0	0	6,482	150	32,737	0	85,102	856	10,784	0
30 Boston University	134,423	190	312	12,701	1,576	4,172	2,736	93,641	5,100	13,985	10
Total 1st 30 institutions	7,338,169	150,830	37,990	872,557	47,174	282,322	60,808	4,443,505	435,857	946,324	60,802
31 Baylor Col of Medicine	134,066	436	0	323	1,707	387	0	116,422	13,670	1,121	0
32 University of Chicago	131,803	263	0	1,840	426	3,092	197	96,714	3,959	24,547	765
33 U of TX Austin	129,131	190	412	54,001	1,653	9,185	787	21,787	8,667	32,393	56
34 Northwestern University	127,999	0	49	13,502	2,323	4,472	561	77,985	1,785	26,973	349
35 U of CA Davis	124,572	10,863	0	3,717	975	6,731	6,336	67,478	2,673	24,322	1,477
36 University of Iowa	123,427	5	60	4,236	232	1,967	0	101,384	8,096	6,860	587
37 Vanderbilt University	122,154	0	0	5,565	4,460	1,768	415	101,695	1,563	6,688	0
38 Ohio State U	119,143	20,890	318	7,395	2,421	5,682	806	54,515	6,236	16,663	4,217
39 Emory University	116,268	60	0	1,922	345	654	0	109,244	0	4,026	17
40 University of Florida	114,590	17,845	609	8,616	1,138	4,360	1,024	56,095	4,462	18,150	2,291
Total 1st 40 institutions	8,581,322	201,382	39,438	973,674	62,854	320,620	70,934	5,246,824	486,968	1,108,067	70,561

See explanatory information, if any, and SOURCE at end of table.

Table B-12. Federal obligations for science and engineering to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
41 Scripps Rsch Inst, The	114,149	0	0	1,873	0	342	0	109,720	0	2,214	0
42 Indiana U	112,683	288	100	1,049	622	4,514	230	83,676	1,097	20,965	142
43 NY University	110,524	120	549	5,015	548	2,816	2,439	89,500	383	9,077	77
44 U of Virginia	108,412	32	369	6,510	1,627	2,445	0	76,485	7,238	11,922	1,784
45 U of MD College Park	107,634	9,935	4,657	10,688	215	7,878	435	14,402	35,689	22,422	1,313
46 University of Utah	105,411	0	528	3,754	1,506	3,886	299	73,516	1,870	19,681	371
47 University of Miami	101,225	95	6,353	6,591	2,159	477	131	69,401	4,703	10,990	325
48 Yeshiva University NY	100,569	0	0	180	0	0	0	99,394	33	962	0
49 Michigan State University	96,979	25,074	100	3,674	783	5,096	1,748	22,647	3,643	33,739	475
50 U of TX SW Med Ctr Dals	96,585	0	0	2,443	545	844	0	90,016	2,379	358	0
Total 1st 50 institutions	9,635,493	236,926	52,094	1,015,451	70,859	348,919	76,216	5,975,581	544,003	1,240,397	75,048
51 U Corp for Atmosph Rsch	92,000	0	11,592	703	0	1,836	0	0	3,309	74,560	0
52 LA St U All Campuses	90,839	17,709	155	20,293	427	2,185	4,992	32,708	2,976	5,531	3,863
53 Georgia Inst of Tech	90,742	0	4,189	51,430	61	1,162	1,936	4,540	6,309	20,637	478
54 Carnegie Mellon U	90,008	0	35	34,285	0	3,871	1,320	10,994	3,721	34,747	1,035
55 Purdue University	86,074	20,626	230	10,917	152	8,882	909	19,028	2,248	21,460	1,622
56 Rutgers St U of NJ	85,987	11,233	2,921	8,563	0	4,684	575	26,544	2,849	28,488	130
57 Princeton University	85,097	0	1,819	13,216	0	8,198	64	23,131	6,111	32,491	67
58 U of MD Baltimore	84,641	142	174	776	0	147	121	82,217	0	894	170
59 CUNY Mt Sinai Schl of Med	84,342	0	0	628	1,466	113	0	81,372	763	0	0
60 SUNY at Stony Brook	83,338	226	195	4,548	0	6,754	739	45,370	2,451	23,045	10
Total 1st 60 institutions	10,508,561	286,862	73,404	1,160,810	72,965	386,750	86,872	6,301,485	574,740	1,482,250	82,423
61 U of IL Chicago	81,907	0	100	1,494	3,720	1,586	865	62,046	600	11,246	250
62 U of TX Hlth Sci Houston	81,295	50	0	5,734	0	0	1,258	74,052	0	201	0
63 NC State U	79,368	27,586	4,097	15,472	854	2,817	3,924	8,269	2,733	11,553	2,063
64 U of CA Santa Barbara	79,201	139	97	22,348	178	3,748	866	7,124	7,316	34,705	2,680
65 Colorado State University	77,671	10,469	9,954	7,141	150	3,089	3,761	24,402	3,778	12,377	2,550
66 U of CA Irvine	77,401	0	14	7,623	0	5,645	237	48,718	3,434	11,695	35
67 U of Kentucky All Cmp	74,704	16,681	0	2,201	1,966	2,713	859	40,246	661	9,156	221
68 Oregon State University	73,770	16,497	5,327	6,285	241	1,229	6,515	8,786	5,249	15,963	7,678
69 U of New Mexico	71,889	26	100	14,662	1,226	4,414	3,112	33,917	6,458	7,602	372
70 Oregon Hlth Sciences U	70,828	0	0	4,787	720	0	0	64,682	68	571	0
Total 1st 70 institutions	11,276,595	358,310	93,093	1,248,557	82,020	411,991	108,269	6,673,727	605,037	1,597,319	98,272
71 Georgetown University	68,729	182	94	10,324	161	0	235	52,286	22	1,333	4,092
72 U of TX MD Anderson Cancr	67,891	0	0	2,604	0	0	0	64,636	196	455	0
73 U of Hawaii Manoa	67,681	11,351	4,627	4,349	1,212	715	24	19,503	10,544	15,356	0
74 Wayne State University	66,983	0	0	4,117	995	780	605	53,039	212	7,230	5
75 U of Med & Dent of NJ	64,763	0	0	358	250	4,315	2,045	56,024	343	671	757
76 U of Missouri Columbia	64,594	18,937	1,068	1,899	2,274	1,293	2,664	23,192	708	11,584	975
77 Texas A&M U	64,395	29,571	891	2,949	615	2,711	926	8,002	5,597	11,299	1,834
78 U of Cincinnati	63,268	204	0	3,897	114	1,098	2,701	50,166	621	4,348	119
79 University of Kansas	62,404	0	683	3,128	8,708	414	642	37,726	2,002	8,845	256
80 University of Georgia	60,865	24,387	1,481	720	1,073	3,871	1,556	14,363	690	10,625	2,099
Total 1st 80 institutions	11,928,168	442,942	101,937	1,282,902	97,422	427,188	119,667	7,052,664	625,972	1,669,065	108,409

See explanatory information, if any, and SOURCE at end of table.

Table B-12. Federal obligations for science and engineering to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
81 Wake Forest University	60,836	175	0	790	0	0	6	57,821	148	1,396	500
82 Virginia Poly Inst & St U	60,033	15,515	234	8,390	442	15,074	437	3,557	3,137	10,871	2,376
83 Thomas Jefferson U	58,516	0	0	455	522	0	0	56,830	60	649	0
84 Medical U of S Carolina	56,374	212	0	9,625	0	10,702	161	34,444	109	1,121	0
85 U of MA Worcester	54,936	0	0	901	0	0	0	53,160	629	246	0
86 Iowa State University	54,739	26,644	2,490	827	101	4,177	1,173	9,088	1,407	8,505	327
87 Virginia Commonwealth U	54,155	110	0	1,166	2,371	188	99	45,968	632	1,856	1,765
88 Utah State University	53,843	8,627	25	23,516	3,271	275	1,127	2,583	10,443	3,804	172
89 U of Connecticut	53,491	4,778	1,917	3,429	1,506	812	226	31,616	178	8,749	280
90 U of TX Hlth Sci S Anto	52,942	0	0	2,235	0	0	0	50,179	232	296	0
Total 1st 90 institutions	12,488,033	490,003	106,603	1,334,236	105,635	458,416	122,896	7,397,910	642,947	1,706,558	113,829
91 New Mexico St U	52,866	8,363	100	6,165	255	986	100	1,624	26,560	7,792	921
92 Woods Hole Ocean Inst	52,865	0	332	13,095	0	284	74	26	1,022	37,903	129
93 U of TX Med Brnch Galvstn	51,081	0	0	784	295	683	530	47,753	319	717	0
94 Mississippi State U	50,773	23,315	100	5,327	1,176	6,648	207	481	7,183	5,925	411
95 U of Oklahoma	49,746	32	5,031	3,396	442	1,968	1,523	26,588	1,472	8,928	366
96 Florida State University	47,790	0	852	1,111	1,720	6,371	0	7,704	2,903	26,829	300
97 Dartmouth College	47,529	30	450	2,783	0	130	1,041	34,801	1,299	5,995	0
98 Medical Col of Wisconsin	45,866	140	0	125	473	0	0	43,895	272	249	712
99 Rockefeller University	45,441	0	0	324	0	933	0	43,587	0	597	0
100 Tufts University	45,416	261	152	933	0	1,493	513	37,969	437	2,858	800
Total 1st 100 institutions	12,977,406	531,144	113,620	1,368,279	109,996	477,912	126,884	7,642,338	684,414	1,805,351	117,468

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Interior, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

NOTE: The Agency for International Development (AID) continues its long-term work on restructuring its internal database (New Management System, NMS) that will integrate the agency's budget, programming, accounting, and procurement systems. As a result, AID's response to the fiscal year (FY) 1998 Federal support survey has again been produced using an interim reporting system as it was for the FYs 1995-97 surveys. Any significant differences between AID's data reported for FYs 1995-98 and data reported prior to FY 1995 can be attributed to this change in reporting systems. In addition, AID anticipates that future responses to the Federal support survey may also differ from the FYs 1995-98 submissions since the NMS, which will eventually be the database for reporting this information, will be refined to produce more accurate data.

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-13. Federal obligations for science and engineering research and development (R&D) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD [1]	ED	DOE	EPA	HHS	NASA	NSF	Other [2]
Total, all institutions	13,847,428	433,864	101,650	1,547,034	98,311	611,365	168,106	7,971,944	790,888	1,973,025	151,241
1 Johns Hopkins University	618,353	927	188	199,815	555	2,905	2,125	298,125	90,188	15,374	8,151
2 University of Washington	335,511	4,903	4,140	23,037	3,628	14,254	4,332	229,416	9,843	40,525	1,433
3 Stanford University	329,734	20	523	40,294	2,519	7,512	3,440	163,355	69,637	38,508	3,926
4 U of Michigan	288,335	673	2,192	24,417	3,994	8,361	10,141	194,308	4,922	36,959	2,668
5 U of Pennsylvania	273,583	985	240	9,540	3,324	6,105	389	233,713	1,249	18,028	10
6 U of CA San Diego	262,217	90	0	31,228	0	13,930	0	144,077	11,529	59,173	2,190
7 U of CA Los Angeles	246,381	311	722	22,944	3,71[illegible]	19,049	1,912	166,115	10,000	21,319	296
8 MA Inst of Technology	242,731	0	384	58,208	0	59,481	0	56,434	27,316	40,145	763
9 Harvard University	229,546	813	138	11,045	2,672	6,598	1,029	177,475	5,529	20,163	4,084
10 U of CA San Francisco	221,428	0	0	2,047	375	676	0	216,565	713	1,052	0
Total 1st 10 institutions	3,048,119	8,722	8,527	422,575	20,780	138,871	23,368	1,879,583	230,926	291,246	23,521
11 Columbia U City New York	220,561	0	0	7,554	0	7,927	117	161,035	10,983	32,781	164
12 Yale University	216,102	946	0	6,522	0	9,489	0	181,739	3,935	13,457	14
13 U of Colorado	214,879	83	5,458	9,045	1,606	5,322	2,246	117,307	42,696	29,556	1,560
14 Washington University	212,817	274	41	5,472	0	2,140	300	190,758	3,757	10,058	17
15 U of WI Madison	210,861	9,185	0	8,137	0	17,291	0	125,808	10,131	39,789	520
16 Duke University	198,849	1,000	193	19,915	1,025	5,931	621	153,340	1,114	15,445	265
17 U of Minnesota	198,771	7,653	678	14,972	782	6,829	1,766	131,409	3,039	30,882	761
18 Cornell University	196,006	15,905	197	15,723	250	3,863	261	97,253	4,504	57,382	668
19 U of Pittsburgh	193,491	179	94	8,739	824	2,923	0	166,542	1,237	12,745	208
20 U of NC Chapel Hill	182,700	370	84	10,862	4,503	1,500	8,458	144,758	1,337	10,073	755
Total 1st 20 institutions	5,093,156	44,317	15,272	529,516	29,770	202,086	37,137	3,349,532	313,659	543,414	28,453
21 PA St U University Park	176,520	9,863	397	63,089	357	6,271	4,611	57,454	9,158	22,475	2,845
22 U of CA Berkeley	173,317	3,520	148	22,003	730	5,676	3,339	63,257	26,954	46,111	1,579
23 U of Southern California	167,139	0	0	41,077	0	1,274	0	97,603	3,470	22,826	889
24 U of Alabama Birmingham	160,710	219	0	6,058	1,831	2,539	0	131,051	12,933	3,257	2,822
25 Case Western Reserve U	151,057	81	0	3,615	373	808	0	138,048	3,164	4,938	30
26 CA Inst of Technology	133,844	0	0	38,030	0	9,459	2,938	24,610	19,750	38,332	725
27 U of IL Urbana-Champaign	130,932	11,249	282	21,869	305	3,435	2,542	28,531	3,911	56,811	1,997
28 University of Rochester	129,792	0	0	6,482	0	32,737	0	79,645	856	10,072	0
29 University of Arizona	129,790	4,220	313	16,403	236	2,760	1,896	62,445	18,013	21,718	1,786
30 Boston University	124,968	190	312	12,572	1,130	3,100	2,484	87,690	5,068	12,412	10
Total 1st 30 institutions	6,571,225	73,659	16,724	760,714	34,732	270,145	54,947	4,119,866	416,936	782,366	41,136
31 University of Chicago	121,552	263	0	1,840	175	3,092	0	89,222	3,849	22,346	765
32 Northwestern University	119,736	0	49	13,486	2,323	4,357	111	73,323	1,701	24,037	349
33 U of CA Davis	118,508	10,675	0	3,687	975	6,731	5,863	64,189	2,560	22,351	1,477
34 Baylor Col of Medicine	115,247	436	0	323	1,507	387	0	110,492	1,189	913	0
35 Scripps Rsch Inst, The	113,202	0	0	1,873	0	342	0	109,320	0	1,667	0
36 University of Iowa	112,647	5	60	3,965	0	1,967	0	91,609	8,030	6,424	587
37 Emory University	109,625	60	0	1,922	345	654	0	103,946	0	2,681	17
38 Vanderbilt University	108,281	0	0	5,500	2,117	1,768	381	92,656	885	4,974	0
39 U of TX Austin	107,370	190	299	42,164	587	9,185	698	20,335	7,931	25,925	56
40 Indiana U	105,891	171	0	1,044	99	4,509	174	79,363	1,097	19,292	142
Total 1st 40 institutions	7,703,284	85,459	17,132	836,518	42,860	303,137	62,174	4,954,321	444,178	912,976	44,529

See explanatory information, if any, and SOURCE at end of table.

Table B-13. Federal obligations for science and engineering research and development (R&D) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD [1]	ED	DOE	EPA	HHS	NASA	NSF	Other [2]
41 NY University	104,293	120	302	4,952	248	2,816	2,439	84,659	383	8,328	46
42 Ohio State U	101,336	8,020	318	7,375	748	5,682	748	52,601	6,170	15,457	4,217
43 U of Virginia	100,562	0	369	6,510	0	2,445	0	71,333	7,133	10,988	1,784
44 University of Florida	98,495	10,112	461	8,569	342	4,170	950	52,137	3,690	16,676	1,388
45 University of Utah	97,320	0	493	3,710	150	3,160	274	69,335	1,818	17,989	371
46 U of MD College Park	96,092	5,146	4,093	10,649	215	7,878	363	12,259	33,956	20,255	1,278
47 Yeshiva University NY	94,939	0	0	55	0	0	0	93,991	33	860	0
48 U of TX SW Med Ctr Dals	92,375	0	0	2,443	295	844	0	86,056	2,379	358	0
49 University of Miami	90,099	95	1,271	6,572	1,263	477	131	65,217	4,665	10,083	325
50 Carnegie Mellon U	86,367	0	35	34,285	0	3,871	1,295	10,322	3,655	31,869	1,035
Total 1st 50 institutions	8,665,162	108,952	24,474	921,638	46,121	334,500	68,374	5,552,231	508,060	1,045,839	54,973
51 U Corp for Atmosph Rsch	81,834	0	11,592	703	0	1,836	0	0	3,309	64,394	0
52 CUNY Mt Sinai Schl of Med	81,293	0	0	628	1,173	113	0	78,616	763	0	0
53 LA St U All Campuses	78,894	9,483	28	20,185	75	2,185	4,928	31,519	1,953	4,675	3,863
54 U of MD Baltimore	77,942	142	75	712	0	147	87	75,715	0	894	170
55 U of TX Hlth Sci Houston	77,780	50	0	5,734	0	0	1,258	70,564	0	174	0
56 Princeton University	77,473	0	1,149	12,680	0	7,961	0	21,085	5,858	28,673	67
57 Michigan State University	77,360	13,009	0	3,639	314	4,624	1,580	21,567	2,058	30,394	175
58 SUNY at Stony Brook	77,176	226	169	4,538	0	6,754	682	43,206	2,429	19,162	10
59 U of CA Santa Barbara	75,211	139	97	22,348	0	3,748	793	6,984	6,517	31,905	2,680
60 Rutgers St U of NJ	73,853	7,017	2,759	8,563	0	4,684	0	23,859	2,849	23,992	130
Total 1st 60 institutions	9,443,978	139,018	40,343	1,001,368	47,683	366,552	77,702	5,925,346	533,796	1,250,102	62,068
61 U of CA Irvine	72,248	0	0	7,358	0	4,652	207	46,878	3,332	9,786	35
62 U of IL Chicago	72,160	0	0	1,489	3,003	1,586	814	56,178	512	8,328	250
63 Purdue University	67,958	9,032	230	10,898	0	8,558	875	17,388	1,627	17,728	1,622
64 U of TX MD Anderson Cancr	65,741	0	0	2,355	0	0	0	62,735	196	455	0
65 Oregon Hlth Sciences U	65,477	0	0	4,787	720	0	0	59,331	68	571	0
66 U of New Mexico	65,097	26	0	14,104	0	4,414	3,089	31,109	6,206	5,777	372
67 Georgetown University	63,442	129	94	10,075	0	0	225	47,667	0	1,160	4,092
68 Georgia Inst of Tech	63,081	0	100	33,340	61	1,162	1,868	3,507	5,346	17,219	478
69 Wayne State University	61,832	0	0	4,052	895	780	605	49,271	212	6,012	5
70 Colorado State University	61,814	6,261	2,137	6,830	150	3,031	3,651	22,606	3,712	10,886	2,550
Total 1st 70 institutions	10,102,828	154,466	42,904	1,096,656	52,512	390,735	89,036	6,322,016	555,007	1,328,024	71,472
71 Oregon State University	61,707	11,402	2,594	6,285	0	1,229	6,146	8,382	4,871	15,115	5,683
72 U of Med & Dent of NJ	60,402	0	0	293	150	4,315	1,991	51,901	343	652	757
73 U of Cincinnati	58,169	204	0	3,897	0	301	2,443	46,906	533	3,766	119
74 U of Kentucky All Cmp	57,646	5,413	0	2,170	0	2,713	859	37,472	639	8,159	221
75 Wake Forest University	57,503	175	0	675	0	0	0	54,623	148	1,382	500
76 NC State U	55,175	11,563	662	15,406	854	2,817	1,333	8,087	2,301	10,382	1,770
77 Thomas Jefferson U	55,172	0	0	330	373	0	0	53,760	60	649	0
78 Medical U of S Carolina	54,600	212	0	9,625	0	10,702	161	32,670	109	1,121	0
79 U of Hawaii Manoa	53,754	9,487	1,292	4,322	330	715	0	17,436	6,022	14,150	0
80 University of Kansas	53,485	0	425	2,976	2,853	414	630	35,652	1,679	8,600	256
Total 1st 80 institutions	10,670,441	192,922	47,877	1,142,635	57,072	413,941	102,599	6,668,905	571,712	1,392,000	80,778

See explanatory information, if any, and SOURCE at end of table.

Table B-13. Federal obligations for science and engineering research and development (R&D) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD [1]	ED	DOE	EPA	HHS	NASA	NSF	Other [2]
81 U of MA Worcester	52,561	0	0	838	0	0	0	50,848	629	246	0
82 Woods Hole Ocean Inst	50,211	0	332	11,932	0	284	0	0	1,022	36,512	129
83 U of TX Hlth Sci S Anto	49,605	0	0	2,170	0	0	0	46,907	232	296	0
84 Virginia Commonwealth U	48,136	110	0	1,163	1,907	188	99	41,761	632	511	1,765
85 U of TX Med Brnch Galvstn	47,356	0	0	764	295	683	485	44,163	275	691	0
86 U of Connecticut	46,921	1,704	1,472	3,429	809	812	198	29,666	178	8,633	20
87 Virginia Poly Inst & St U	46,108	5,743	126	8,273	181	13,382	385	3,511	2,808	10,223	1,476
88 Florida State University	45,499	0	832	1,111	452	6,371	0	7,513	2,815	26,105	300
89 U of Missouri Columbia	44,012	8,320	44	1,794	1,145	1,276	2,622	19,194	664	7,978	975
90 Utah State University	43,979	5,331	0	20,089	771	275	1,103	2,583	9,877	3,778	172
Total 1st 90 institutions	11,144,829	214,130	50,683	1,194,198	62,632	437,212	107,491	6,915,051	590,844	1,486,973	85,615
91 Dartmouth College	43,893	30	450	2,783	0	130	939	31,813	1,255	6,493	0
92 Rockefeller University	43,843	0	0	324	0	933	0	42,117	0	469	0
93 University of Georgia	43,673	10,048	740	720	368	3,871	1,439	13,668	668	10,052	2,099
94 Medical Col of Wisconsin	43,317	140	0	125	373	0	0	41,446	272	249	712
95 Texas A&M U	43,226	12,073	661	2,898	0	2,611	839	7,773	4,789	10,271	1,311
96 Tufts University	42,181	196	152	933	0	1,493	402	36,082	286	2,637	0
97 U of Oklahoma	41,488	32	983	3,396	0	1,968	1,523	23,534	1,237	8,449	366
98 Brown University	40,398	170	0	6,287	0	2,301	199	19,996	1,815	9,595	35
99 Tulane University	39,517	289	0	4,221	123	5,098	99	26,764	444	2,477	2
100 University of Vermont	38,435	3,809	0	1,427	830	716	10	27,742	136	3,654	111
Total 1st 100 institutions	11,564,800	240,917	53,669	1,217,312	64,326	456,333	112,941	7,185,986	601,746	1,541,319	90,251

[1] The Department of Defense (DoD) states that more than 90 percent of its development obligations reported for universities and colleges are performed at university-affiliated laboratories that are separate from the academic departments. Furthermore, DoD states that much of its development obligations are for major systems development, that such obligations differ from its obligations for advanced technology development, and that DoD total development obligations are therefore not comparable with development obligations at other Federal agencies. Refer to table B-17 for DoD obligations to individual institutions, by research and development breakdowns.

[2] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Interior, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

NOTES: Does not include R&D obligations to university-administered federally funded research and development centers. See table B-38.

The Agency for International Development (AID) continues its long-term work on restructuring its internal database (New Management System, NMS) that will integrate the agency's budget, programming, accounting, and procurement systems. As a result, AID's response to the fiscal year (FY) 1998 Federal support survey has again been produced using an interim reporting system as it was for the FYs 1995-97 surveys. Any significant differences between AID's data reported for FYs 1995-98 and data reported prior to FY 1995 can be attributed to this change in reporting systems. In addition, AID anticipates that future responses to the Federal support survey may also differ from the FYs 1995-98 submissions since the NMS, which will eventually be the database for reporting this information, will be refined to produce more accurate data.

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-14. Federal obligations for fellowships, traineeships, and training grants to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Total, all institutions	757,106	20,697	3,297	8,062	112,028	25	17,913	491,279	39,286	61,120	3,399
1 Harvard University	22,091	4	0	375	0	0	62	17,162	110	4,378	0
2 Johns Hopkins University	21,448	0	0	186	309	0	144	19,795	497	517	0
3 University of Washington	20,184	0	244	0	718	0	293	17,429	798	479	223
4 Stanford University	19,650	0	0	0	0	0	213	12,652	648	6,137	0
5 U of CA San Francisco	18,720	0	0	434	0	0	0	17,234	0	1,052	0
6 U of Michigan	17,283	2	71	0	0	0	449	13,983	759	1,634	385
7 U of Pennsylvania	15,360	0	0	653	0	0	2	14,661	44	0	0
8 U of Colorado	15,039	4	1,141	181	3,109	0	684	7,741	1,052	1,127	0
9 U of CA Los Angeles	14,215	0	0	200	0	0	61	13,800	154	0	0
10 Yale University	13,453	0	0	0	0	0	107	12,322	88	936	0
Total 1st 10 institutions	177,443	10	1,456	2,029	4,136	0	2,015	146,779	4,150	16,260	608
11 Columbia U City New York	13,102	0	0	340	0	0	95	11,870	192	605	0
12 U of CA Berkeley	12,897	0	0	83	0	0	741	5,218	440	6,099	316
13 U of NC Chapel Hill	12,254	0	30	203	1,459	0	966	8,932	22	642	0
14 MA Inst of Technology	12,012	0	0	0	0	0	0	6,018	566	5,189	239
15 U of WI Madison	11,990	407	0	67	0	0	0	9,552	286	1,678	0
16 Cornell University	11,951	689	0	126	100	0	306	7,685	695	2,350	0
17 Duke University	10,917	0	0	676	0	0	808	8,234	237	962	0
18 U of CA San Diego	10,838	0	0	23	0	0	26	9,256	695	838	0
19 Vanderbilt University	10,696	0	0	65	2,343	0	34	7,521	678	55	0
20 Washington University	10,295	0	0	0	0	0	0	9,910	120	265	0
Total 1st 20 institutions	294,395	1,106	1,486	3,612	8,038	0	4,991	230,975	8,081	34,943	1,163
21 U of Minnesota	9,792	754	0	0	638	0	91	6,364	454	1,491	0
22 University of Chicago	9,042	0	0	0	0	0	197	7,492	110	1,243	0
23 Boston University	7,165	0	0	129	446	0	252	5,653	32	653	0
24 U of Pittsburgh	7,103	0	0	0	1,054	0	0	5,642	108	299	0
25 University of Arizona	7,067	178	0	0	1,342	0	305	3,278	696	1,268	0
26 University of Kansas	6,648	0	0	65	4,104	0	12	2,044	323	100	0
27 U of Virginia	6,380	5	0	0	1,627	0	0	4,485	105	158	0
28 Case Western Reserve U	6,330	0	17	0	0	0	0	6,180	44	89	0
29 University of Iowa	6,228	0	0	65	232	0	0	5,865	66	0	0
30 University of Rochester	5,817	0	0	0	150	0	0	5,457	0	210	0
Total 1st 30 institutions	365,967	2,043	1,503	3,871	17,631	0	5,848	283,435	10,019	40,454	1,163
31 University of Florida	5,742	264	6	0	796	0	74	3,578	663	331	30
32 NY University	5,617	0	30	63	300	0	0	4,746	0	478	0
33 PA St U University Park	5,309	383	0	0	876	0	91	2,193	844	569	353
34 Baylor Col of Medicine	5,264	0	0	0	200	0	0	5,064	0	0	0
35 U of IL Urbana-Champaign	5,120	324	0	378	791	0	29	2,014	698	886	0
36 Northwestern University	5,031	0	0	0	0	0	450	3,795	84	702	0
37 U of Kentucky All Cmp	5,012	108	0	0	1,966	0	0	2,502	22	414	0
38 U of TX Austin	5,009	0	0	0	1,066	0	89	1,287	702	1,865	0
39 University of Oregon	4,922	0	0	0	3,637	0	34	1,229	22	0	0
40 University of Utah	4,888	0	4	0	1,356	0	25	3,199	22	282	0
Total 1st 40 institutions	417,881	3,122	1,543	4,312	28,619	0	6,640	313,042	13,076	45,981	1,546

See explanatory information, if any, and SOURCE at end of table.

Table B-14. Federal obligations for fellowships, traineeships, and training grants to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
41 Emory University	4,878	0	0	0	0	0	0	4,680	0	198	0
42 Yeshiva University NY	4,729	0	0	125	0	0	0	4,604	0	0	0
43 University of Miami	4,727	0	0	0	896	0	0	3,823	8	0	0
44 Princeton University	4,701	0	0	520	0	0	64	2,011	253	1,853	0
45 CA Inst of Technology	4,687	0	0	0	0	0	136	2,616	535	1,400	0
46 Oregon Hlth Sciences U	4,493	0	0	0	0	0	0	4,493	0	0	0
47 U of Southern California	4,385	0	0	80	398	0	0	3,214	22	668	3
48 U of TX SW Med Ctr Dals	4,210	0	0	0	250	0	0	3,960	0	0	0
49 Virginia Commonwealth U	4,156	0	0	0	464	0	0	3,692	0	0	0
50 Ohio State U	4,130	189	0	20	1,673	0	58	1,818	66	306	0
Total 1st 50 institutions	462,977	3,311	1,543	5,057	32,300	0	6,898	347,953	13,960	50,406	1,549
51 U of CA Davis	4,087	119	0	0	0	0	473	1,956	113	1,426	0
52 U of IL Chicago	3,983	0	0	0	466	0	51	3,338	88	40	0
53 NC State U	3,884	338	91	0	0	0	2,591	182	432	190	60
54 U of Alabama Birmingham	3,712	0	0	0	0	0	0	3,690	22	0	0
55 Indiana U	3,686	108	0	0	523	0	56	2,886	0	113	0
56 San Diego State U	3,510	0	0	0	2,770	0	0	712	0	28	0
57 Utah State University	3,393	277	0	0	2,500	0	24	0	566	26	0
58 Thomas Jefferson U	3,344	0	0	125	149	0	0	3,070	0	0	0
59 U of New Mexico	3,317	0	0	125	1,226	0	23	1,792	22	129	0
60 U of Med & Dent of NJ	3,295	0	0	65	100	0	54	3,057	0	19	0
Total 1st 60 institutions	499,188	4,153	1,634	5,372	40,034	0	10,170	368,636	15,203	52,377	1,609
61 George Washington U	3,250	0	94	0	2,632	0	75	161	261	27	0
62 University of South FL	3,180	0	28	0	2,036	0	36	1,014	66	0	0
63 Brown University	3,132	0	17	0	0	0	0	2,002	213	900	0
64 U of TX Hlth Sci S Anto	3,115	0	0	65	0	0	0	3,050	0	0	0
65 U of PR Medical Sci	3,090	0	0	0	0	0	0	3,090	0	0	0
66 U of Cincinnati	3,067	0	0	0	114	0	258	2,607	88	0	0
67 U of MD Baltimore	2,923	0	0	64	0	0	34	2,825	0	0	0
68 Wayne State University	2,734	0	0	65	100	0	0	1,949	0	620	0
69 Purdue University	2,724	620	0	0	152	0	34	930	420	568	0
70 Dartmouth College	2,674	0	0	0	0	0	102	2,476	44	52	0
Total 1st 70 institutions	529,077	4,773	1,773	5,566	45,068	0	10,709	388,740	16,295	54,544	1,609
71 Georgetown University	2,656	0	0	249	161	0	10	2,188	22	26	0
72 U of Hawaii Manoa	2,642	0	0	0	631	0	24	1,446	457	84	0
73 U of Missouri Columbia	2,637	324	0	0	1,129	0	42	1,098	44	0	0
74 U of TX Hlth Sci Houston	2,469	0	0	0	0	0	0	2,442	0	27	0
75 WV University (Morgantwn)	2,427	2	0	0	678	0	0	1,447	300	0	0
76 U of TX Med Brnch Galvstn	2,406	0	0	20	0	0	45	2,271	44	26	0
77 Wake Forest University	2,389	0	0	115	0	0	6	2,254	0	14	0
78 CUNY Mt Sinai Schl of Med	2,354	0	0	0	293	0	0	2,061	0	0	0
79 Rutgers St U of NJ	2,338	238	0	0	0	0	575	1,525	0	0	0
80 SUNY at Stony Brook	2,321	0	0	0	0	0	57	2,031	22	211	0
Total 1st 80 institutions	553,716	5,337	1,773	5,950	47,960	0	11,468	407,503	17,184	54,932	1,609

See explanatory information, if any, and SOURCE at end of table.

Table B-14. Federal obligations for fellowships, traineeships, and training grants to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
81 Michigan State University	2,305	864	0	0	469	0	168	532	110	162	0
82 U of Oklahoma	2,289	0	14	0	442	0	0	1,570	235	28	0
83 University of Vermont	2,242	0	0	0	716	0	0	1,266	256	4	0
84 U of CA Irvine	2,182	0	14	265	0	0	30	1,693	102	78	0
85 Auburn University	2,156	150	0	0	1,916	0	0	24	66	0	0
86 Brandeis University	2,127	0	0	0	0	0	0	2,105	22	0	0
87 Georgia Inst of Tech	2,126	0	0	0	0	0	68	299	963	796	0
88 Arizona State U Main	2,071	0	0	0	560	0	96	1,116	88	211	0
89 U of MA Worcester	2,041	0	0	63	0	0	0	1,978	0	0	0
90 U of Connecticut	2,033	1	53	0	697	0	28	1,196	0	58	0
Total 1st 90 institutions	575,288	6,352	1,854	6,278	52,760	0	11,858	419,282	19,026	56,269	1,609
91 Temple University	1,993	0	0	200	381	0	0	1,412	0	0	0
92 U of Arkansas Main	1,960	346	0	0	1,486	0	0	0	22	0	106
93 Tufts University	1,929	0	0	0	0	0	111	1,795	22	1	0
94 U of TX MD Anderson Cancr	1,850	0	0	249	0	0	0	1,601	0	0	0
95 LA St U All Campuses	1,810	160	3	0	332	0	64	918	333	0	0
96 U of North Dakota	1,792	0	0	0	0	0	0	1,536	256	0	0
97 CA St U Los Angeles	1,774	91	0	0	1,066	0	0	495	122	0	0
98 Oregon State University	1,747	20	154	0	241	0	369	404	378	181	0
99 Hampton University	1,745	0	0	0	623	0	22	527	573	0	0
100 U of Arkansas Med Sci	1,720	0	0	0	100	0	0	1,620	0	0	0
Total 1st 100 institutions	593,608	6,969	2,011	6,727	56,989	0	12,424	429,590	20,732	56,451	1,715

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Interior, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
United States, total	16,031,984	13,847,428	156,582	22,684	757,106	207,005	1,041,179
Alabama, total	262,235	228,325	152	109	10,147	4,553	18,949
Alabama A & M University	8,111	5,313	0	0	370	204	2,224
Alabama Southern CC	360	0	0	0	0	0	360
Alabama State University	367	36	0	0	72	259	0
Auburn University	28,200	16,122	0	0	2,156	0	9,922
Bevill State CC	86	86	0	0	0	0	0
Birmingham Southern Col	87	87	0	0	0	0	0
Bishop State CC	119	0	0	0	0	35	84
Concordia College (Selma)	223	0	0	0	0	0	223
Huntingdon College	31	0	0	31	0	0	0
J F Drake St Tech Col	14	14	0	0	0	0	0
Jacksonville State U	100	100	0	0	0	0	0
Miles College	17	17	0	0	0	0	0
Northwest-Shoals CC	205	0	0	0	0	0	205
Oakwood College	562	297	0	0	265	0	0
Southern Union State CC	1	0	0	0	1	0	0
Stillman College	454	0	0	0	152	302	0
Talladega College	579	0	0	0	334	245	0
Trenholm State Tech Col	191	0	0	0	0	0	191
Troy State U Main	46	8	0	0	38	0	0
Tuskegee University	10,662	7,407	0	0	519	958	1,778
U of Alabama Birmingham	169,627	160,710	152	0	3,712	2,338	2,715
U of Alabama Huntsville	20,964	19,267	0	0	702	0	995
U of Alabama Sys Off	279	240	0	0	0	0	39
U of Alabama, The	10,066	9,082	0	19	760	0	205
U of North Alabama	8	0	0	0	0	0	8
U of South Alabama	10,876	9,539	0	59	1,066	212	0
Alaska, total	35,945	29,541	0	100	383	1,312	4,609
Alaska Pacific University	310	310	0	0	0	0	0
Sheldon Jackson College	32	32	0	0	0	0	0
U of AK Anchorage All Cmp	3,413	2,225	0	0	127	0	1,061
U of AK Fairbanks All Cmp	27,293	23,389	0	100	256	0	3,548
U of AK Southeast	475	475	0	0	0	0	0
U of AK System Higher Ed	4,422	3,110	0	0	0	1,312	0
Arizona, total	205,623	170,373	2,851	2,029	9,634	976	19,760
Arizona State U East	1,900	0	0	1,900	0	0	0
Arizona State U Main	39,395	31,032	548	95	2,071	0	5,649
Arizona Western College	11	0	0	11	0	0	0
Cochise College	35	0	0	0	0	0	35
Dine College	1,387	416	0	0	90	215	666
Maricopa CC Sys Off	5,981	0	0	0	0	0	5,981
Northern Arizona U	8,365	7,524	0	23	406	0	412
Pima County CC Dist	976	976	0	0	0	0	0
Prescott College	58	58	0	0	0	0	0
U & State Col AZ Sys Off	577	577	0	0	0	0	0
University of Arizona	146,938	129,790	2,303	0	7,067	761	7,017
Arkansas, total	64,146	46,840	0	175	5,104	991	11,036
Arkansas State U	155	55	0	0	0	0	100
Arkansas Tech University	93	52	0	41	0	0	0
Hendrix College	20	20	0	0	0	0	0
Lyon College	249	0	0	0	0	0	249

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Arkansas, continued:							
Ouachita Baptist U	252	0	0	0	0	0	252
Philander Smith College	97	0	0	0	0	97	0
U of Arkansas Little Rock	15,558	6,278	0	0	1,051	0	8,229
U of Arkansas Main	17,717	15,119	0	37	1,960	363	238
U of Arkansas Med Sci	24,005	22,236	0	0	1,720	0	49
U of Arkansas Monticello	70	48	0	0	22	0	0
U of Arkansas Pine Bluff	5,280	3,032	0	0	162	531	1,555
U of Central Arkansas	336	0	0	97	189	0	50
Westark College	314	0	0	0	0	0	314
California, total	2,316,824	2,059,818	56,078	3,732	111,740	22,842	62,614
Azusa Pacific University	90	0	0	0	90	0	0
Bakersfield College	20	0	0	20	0	0	0
CA Col of Podiatric Med	14	0	0	0	14	0	0
CA Inst of Technology	168,711	133,844	26,426	0	4,687	0	3,754
CA Lutheran University	251	0	0	0	0	0	251
CA Schl Prof Psych Ctrl	500	500	0	0	0	0	0
CA Schl Prof Psych LA	29	29	0	0	0	0	0
CA St Poly U Pomona	2,669	1,599	0	0	0	1,070	0
CA St Poly U San Luis	1,598	1,036	0	17	358	0	187
CA St U Bakersfield	208	111	0	0	97	0	0
CA St U Chico	1,242	9	0	3	543	0	687
CA St U Dominguez Hills	2,082	296	0	0	747	266	773
CA St U Fresno	457	194	0	0	253	0	10
CA St U Fullerton	3,471	1,731	0	49	298	0	1,393
CA St U Hayward	1,022	346	0	0	0	551	125
CA St U Long Beach	9,121	7,519	0	0	1,161	0	441
CA St U Los Angeles	9,119	4,665	0	39	1,774	1,871	770
CA St U Monterey Bay	446	50	0	23	0	0	373
CA St U Northridge	2,485	649	0	0	1,154	507	175
CA St U Sacramento	2,188	1,768	0	30	32	0	358
CA St U San Bernardino	501	228	0	73	200	0	0
CA St U San Marcos	349	16	0	24	0	0	309
CA St U Stanislaus	215	0	0	50	145	20	0
CA St U System Office	2,616	722	0	0	26	0	1,868
Chapman University	61	61	0	0	0	0	0
Charles Drew U Med & Sci	6,168	5,288	0	0	407	473	0
Claremont Graduate U	619	619	0	0	0	0	0
Claremont McKenna College	112	112	0	0	0	0	0
College of San Mateo	83	83	0	0	0	0	0
Contra Costa College	137	137	0	0	0	0	0
Cuesta College	82	0	0	0	0	0	82
Cypress College	417	0	0	0	0	0	417
D-Q University	59	0	0	0	59	0	0
East Los Angeles College	305	0	0	0	0	0	305
Evergreen Valley College	375	0	0	0	0	0	375
Foothill College	300	0	0	0	0	0	300
Foothill-DeAnza CC SO	1,309	0	0	0	1,309	0	0
Hartnell College	135	0	0	0	135	0	0
Harvey Mudd College	1,452	787	0	78	0	0	587
Humboldt State University	948	948	0	0	0	0	0
LA Col of Chiropractic	243	243	0	0	0	0	0
La Sierra University	105	105	0	0	0	0	0
Loma Linda University	7,609	7,136	0	0	473	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
California, continued:							
Los Rios CC Dist Off	10	0	0	10	0	0	0
Loyola Marymount U	311	173	0	34	104	0	0
Merced College	150	0	0	0	0	0	150
Monterey Peninsula Col	1,297	0	0	0	0	0	1,297
Mount St Marys Col LA CA	277	0	0	0	277	0	0
Natl Physical Sci Cnstrm	659	659	0	0	0	0	0
Naval Postgraduate Schl	845	845	0	0	0	0	0
Occidental College	875	556	0	19	0	0	300
Pasadena City College	603	0	0	0	0	0	603
Pepperdine University	40	40	0	0	0	0	0
Pitzer College	211	211	0	0	0	0	0
Point Loma Nazarene Col	33	33	0	0	0	0	0
Pomona College	1,077	1,077	0	0	0	0	0
Porterville College	13	0	0	13	0	0	0
Rio Hondo College	50	50	0	0	0	0	0
Saddleback College	8	0	0	8	0	0	0
Sam Merritt College	62	0	0	0	62	0	0
San Diego State U	31,345	21,099	1,000	55	3,510	1,144	4,537
San Fran CC Dist	1,200	200	0	0	0	0	1,000
San Fran State University	10,787	5,610	0	79	1,396	832	2,870
San Joaquin Col of Law	49	49	0	0	0	0	0
San Jose State University	11,618	6,995	0	88	1,397	704	2,434
Santa Clara University	567	530	0	0	0	0	37
Scripps College	21	21	0	0	0	0	0
Scripps Rsch Inst, The	114,149	113,202	400	0	434	0	113
Skyline College	204	204	0	0	0	0	0
Sonoma State University	606	57	0	0	286	0	263
Southwestern Col Chl Vsta	151	0	0	73	0	78	0
St Mary's College of CA	74	74	0	0	0	0	0
Stanford University	353,306	329,734	474	0	19,650	38	3,410
State Center CC Dist	110	0	0	0	0	0	110
U of CA Berkeley	206,186	173,317	1,578	96	12,897	998	17,300
U of CA Davis	124,572	118,508	1,030	4	4,087	356	587
U of CA Irvine	77,401	72,248	1,187	0	2,182	147	1,637
U of CA Los Angeles	265,677	246,381	204	0	14,215	1,140	3,737
U of CA Office of Pres	27,045	20,203	0	0	0	6,832	10
U of CA Riverside	22,473	22,065	0	0	121	0	287
U of CA San Diego	297,340	262,217	21,421	0	10,838	2,203	661
U of CA San Francisco	245,334	221,428	2,000	0	18,720	2,063	1,123
U of CA Santa Barbara	79,201	75,211	0	260	1,162	0	2,568
U of CA Santa Cruz	32,608	27,009	154	2,484	1,250	418	1,293
U of La Verne	34	20	0	14	0	0	0
U of Redlands	975	975	0	0	0	0	0
U of San Diego	328	20	0	26	282	0	0
U of San Francisco	884	361	0	0	523	0	0
U of Southern California	175,606	167,139	204	0	4,385	1,131	2,747
U of the Pacific	383	358	0	25	0	0	0
US International U	74	74	0	0	0	0	0
Ventura Co CC Sys Off	38	0	0	38	0	0	0
Westmont College	34	34	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Colorado, total	432,229	372,241	10,476	209	18,252	17,220	13,831
Adams State College	15	0	0	15	0	0	0
Aims Community College	164	0	0	71	93	0	0
Colorado College	34	34	0	0	0	0	0
Colorado School of Mines	6,256	5,915	105	123	0	0	113
Colorado State University	77,671	61,814	597	0	944	8,932	5,384
Fort Lewis College	12	12	0	0	0	0	0
Front Range CC	175	0	0	0	175	0	0
Metro State Col of Denver	580	290	0	0	0	0	290
Natl Technological U	110	10	0	0	0	0	100
Regis University	49	9	0	0	40	0	0
Teikyo Loretto Heights U	48	48	0	0	0	0	0
Trinidad State Junior Col	289	0	0	0	0	0	289
U Corp for Atmosph Rsch	92,000	81,834	9,641	0	0	0	525
U of Colorado	242,967	214,879	0	0	15,039	7,798	5,251
U of Northern Colorado	3,829	593	0	0	1,609	0	1,627
U of Southern Colorado	923	433	0	0	0	490	0
University of Denver	7,071	6,334	133	0	352	0	252
Western State Col of CO	36	36	0	0	0	0	0
Connecticut, total	291,633	266,541	2,060	340	16,411	878	5,403
Capital Cmty Tech Col	125	0	0	0	0	0	125
Central Connecticut St U	235	217	0	0	18	0	0
Connecticut College	76	30	0	46	0	0	0
Eastern Connecticut St U	33	33	0	0	0	0	0
Fairfield University	121	88	0	0	33	0	0
Sacred Heart University	75	53	0	0	22	0	0
Southern Connecticut St U	59	55	0	0	4	0	0
St Joseph Col (W Hrtfrd)	37	0	0	0	37	0	0
Trinity Col (Hartford)	226	226	0	0	0	0	0
U of Connecticut	53,491	46,921	0	268	2,033	392	3,877
U of Hartford	1,339	600	0	26	713	0	0
U of New Haven	8	8	0	0	0	0	0
Wesleyan University	2,301	2,203	0	0	98	0	0
Western Connecticut St U	5	5	0	0	0	0	0
Yale University	233,502	216,102	2,060	0	13,453	486	1,401
Delaware, total	41,037	34,247	110	0	1,231	832	4,617
Delaware State University	2,692	1,088	0	0	438	238	928
Delaware Tech & CC	1,098	579	0	0	5	0	514
University of Delaware	37,191	32,580	110	0	732	594	3,175
Wilmington Col (N Cstl)	56	0	0	0	56	0	0
District of Columbia, total	146,930	127,125	200	183	9,189	2,443	7,790
American University	2,485	1,315	0	126	78	0	966
Catholic U of America	6,067	5,762	0	0	305	0	0
Cnsrtm Ocean Rsch & Ed	346	275	0	0	0	0	71
Gallaudet University	1,437	621	0	0	816	0	0
George Washington U	36,302	32,641	0	0	3,250	128	283
Georgetown University	68,729	63,442	0	0	2,656	0	2,631
Howard University	28,079	21,992	200	40	1,706	1,353	2,788
Trinity College (DC)	17	0	0	17	0	0	0
University of DC	3,468	1,077	0	0	378	962	1,051

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Florida, total	388,166	333,533	1,361	441	20,191	11,939	20,701
Advanced Technology Inst	537	537	0	0	0	0	0
Barry University	1,049	0	0	0	855	194	0
Bethune Cookman College	1,855	632	0	0	420	580	223
Brevard Community College	125	0	0	50	0	0	75
Daytona Beach CC	646	487	0	0	0	0	159
Eckerd College	82	76	0	0	6	0	0
Edward Waters College	50	50	0	0	0	0	0
Embry Riddle Aeronautcl U	2,704	2,309	0	0	0	0	395
Florida A&M University	23,644	16,201	0	0	1,042	2,073	4,328
Florida Atlantic U	14,146	13,724	0	56	229	0	137
Florida Gulf Coast U	167	80	0	87	0	0	0
Florida Inst of Tech	1,207	1,149	0	36	22	0	0
Florida International U	15,621	11,057	209	0	814	835	2,706
Florida Memorial College	453	0	0	0	0	0	453
Florida State University	47,790	45,499	462	0	1,549	18	262
Hillsborough CC	298	0	0	0	0	0	298
Indian River CC	218	168	0	0	0	0	50
Miami-Dade CC	37	0	0	0	0	0	37
Nova Southeastern U	2,383	1,793	0	0	590	0	0
Rollins College	89	89	0	0	0	0	0
Seminole CC	46	0	0	46	0	0	0
State U System FL Sys Off	1,894	701	0	0	143	1,050	0
Stetson University	68	68	0	0	0	0	0
University of Central FL	13,692	12,802	0	33	236	0	621
University of Florida	114,590	98,495	190	0	5,742	1,253	8,910
University of Miami	101,225	90,099	500	20	4,727	5,307	572
University of North FL	512	489	0	23	0	0	0
University of South FL	40,182	34,923	0	0	3,180	629	1,450
University of Tampa	39	0	0	0	39	0	0
University of West FL	2,792	2,105	0	90	597	0	0
Valencia CC	25	0	0	0	0	0	25
Georgia, total	353,350	276,133	1,072	298	16,694	6,054	53,099
Agnes Scott College	125	125	0	0	0	0	0
Albany State University	526	92	0	0	303	15	116
Andrew College	131	117	0	14	0	0	0
Athens Area Tech Inst	733	0	0	0	0	0	733
Clark Atlanta University	13,163	9,072	0	0	879	1,147	2,065
Emory University	116,268	109,625	0	0	4,878	450	1,315
Fort Valley State U	5,128	2,119	0	0	707	302	2,000
Georgia Inst of Tech	90,742	63,081	1,072	87	2,126	286	24,090
Georgia Southern U	875	606	0	64	55	0	150
Georgia State University	10,327	8,850	0	0	1,032	0	445
Heart of GA Tech Inst	79	79	0	0	0	0	0
Inst Paper Sci & Tech	1,762	1,762	0	0	0	0	0
Kennesaw State University	292	135	0	80	0	0	77
Medical Col of Georgia	14,708	14,181	0	0	527	0	0
Mercer U	8,391	6,282	0	0	0	0	2,109
Morehouse College	6,853	2,099	0	0	1,681	46	3,027
Morehouse School of Med	13,591	10,196	0	0	1,276	2,119	0
Morris Brown College	843	476	0	0	0	278	89
North GA Col & State U	44	44	0	0	0	0	0
Paine College	32	32	0	0	0	0	0
Savannah State University	1,996	741	0	0	0	0	1,255

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Georgia, continued:							
Spelman College	4,167	1,194	0	0	1,560	508	905
State U of West Georgia	321	321	0	0	0	0	0
Thomas Col (Thomsvl)	70	0	0	0	70	0	0
University Sys of Georgia	9	9	0	0	0	0	0
University of Georgia	60,865	43,673	0	0	1,566	903	14,723
Valdosta State University	114	80	0	0	34	0	0
Wesleyan College (Macon)	1,195	1,142	0	53	0	0	0
Hawaii, total	74,294	59,945	67	0	2,675	3,784	7,823
Chaminade U of Honolulu	84	0	0	0	0	84	0
Honolulu CC	32	0	0	0	32	0	0
Maui Community College	1,048	1,000	0	0	0	0	48
U of Hawaii Hilo	631	380	0	0	0	0	251
U of Hawaii Manoa	67,681	53,754	67	0	2,642	3,697	7,521
U of Hawaii System Office	4,818	4,811	0	0	1	3	3
Idaho, total	24,741	17,792	251	129	1,393	74	5,102
Boise State University	2,179	1,272	0	100	0	0	807
Idaho State University	2,540	1,041	79	29	859	74	458
University of Idaho	20,022	15,479	172	0	534	0	3,837
Illinois, total	575,025	498,679	16,790	379	27,527	6,487	25,163
Augustana Col (Rock Isld)	42	15	0	0	0	0	27
Bradley University	3,973	814	0	23	2	0	3,134
Chicago State University	1,955	915	0	0	0	540	500
De Paul University	2,889	2,849	0	22	18	0	0
East West University	251	0	0	0	0	0	251
Eastern Illinois U	195	195	0	0	0	0	0
Elmhurst College	18	18	0	0	0	0	0
Finch U Hlth Sci/Chic Med	4,152	4,064	0	0	88	0	0
Governors State U	29	0	0	0	29	0	0
Illinois Inst of Tech	8,542	5,502	0	0	550	2,275	215
Illinois State University	1,529	983	0	0	104	0	442
Illinois Wesleyan U	9	0	0	0	9	0	0
Joliet Junior College	153	0	0	0	0	0	153
Knox College	188	188	0	0	0	0	0
Lake Forest College	80	80	0	0	0	0	0
Lewis University	10	0	0	0	10	0	0
Loyola U of Chicago	16,667	16,187	0	0	360	0	120
Mennonite Col of Nursing	246	0	0	0	246	0	0
Metropolitan CC	12	0	0	0	0	12	0
Midwestern University	295	146	0	0	149	0	0
Millikin University	58	0	0	37	0	0	21
Moraine Valley CC	58	0	0	58	0	0	0
National Col Chiropractic	216	216	0	0	0	0	0
Northeastern Illinois U	40	0	0	40	0	0	0
Northern Illinois U	4,401	3,025	0	0	1,215	0	161
Northwestern University	127,999	119,736	1,265	0	5,031	129	1,838
Oakton Community College	238	0	0	0	0	0	238
Rush University	1,730	1,507	0	0	223	0	0
Southern IL U	339	314	0	15	0	10	0
Southern IL U Carbondale	9,092	7,723	0	30	990	0	349
Southern IL U Edwardsville	440	148	0	0	69	0	223
St Xavier University	36	0	0	0	36	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and, develop-ment	R&D plant [1]	Facilities for instruc-tion in S&E	Fellow-ships, trainee-ships, and training grants	General support for S&E	Other S&E activi-ties
Illinois, continued:							
U of IL Chicago	81,907	72,160	1,703	29	3,983	834	3,198
U of IL Springfield	17	0	0	17	0	0	0
U of IL Univ Admin	10,655	9,110	0	1	252	1,292	0
U of IL Urbana-Champaign	164,211	130,932	13,822	0	5,120	1,395	12,942
University of Chicago	131,803	121,552	0	0	9,042	0	1,209
W M Scholl Col Pod Med	100	100	0	0	0	0	0
Western Illinois U	422	200	0	79	1	0	142
William Rainey Harper Col	28	0	0	28	0	0	0
Indiana, total	222,459	194,622	2,935	180	8,014	764	15,944
Ball State University	1,086	609	0	15	7	0	455
De Pauw University	80	80	0	0	0	0	0
Earlham College	24	0	0	24	0	0	0
Indiana State U All Camp	627	381	0	23	223	0	0
Indiana U	112,683	105,891	205	0	3,686	414	2,487
Indiana Wesleyan U	58	0	0	0	58	0	0
Manchester College	10	10	0	0	0	0	0
Natl Cnsrtm Grad Eng Min	1,331	331	0	0	1,000	0	0
Purdue University	86,074	67,958	2,194	55	2,724	350	12,793
Rose-Hulman Inst of Tech	253	253	0	0	0	0	0
Taylor University	50	50	0	0	0	0	0
University of Evansville	19	0	0	0	19	0	0
University of Notre Dame	19,794	18,733	536	63	253	0	209
Valparaiso University	214	170	0	0	44	0	0
Wabash College	156	156	0	0	0	0	0
Iowa, total	184,724	155,122	517	348	8,433	1,180	19,124
Coe College	156	115	0	41	0	0	0
Cornell College	21	0	0	21	0	0	0
Drake University	575	305	0	0	270	0	0
Eastern Iowa CC	15	15	0	0	0	0	0
Graceland College	22	0	0	0	22	0	0
Grinnell College	666	250	0	124	0	0	292
Hawkeye Community College	400	0	0	0	0	0	400
Iowa State University	54,739	38,382	0	36	1,279	0	15,042
Kirkwood CC	350	350	0	0	0	0	0
Loras College	4	4	0	0	0	0	0
Luther College	10	0	0	10	0	0	0
Maharishi U of Mgmt	875	875	0	0	0	0	0
Palmer Col Chiropractic	629	629	0	0	0	0	0
University of Iowa	123,427	112,647	517	15	6,228	1,180	2,840
University of N Iowa	2,814	1,550	0	80	634	0	550
Wartburg College	21	0	0	21	0	0	0
Kansas, total	101,723	83,094	300	91	7,788	0	10,450
Cloud County CC	14	0	0	14	0	0	0
Emporia State University	303	117	0	16	170	0	0
Fort Hays State U	39	0	0	0	39	0	0
Haskell Indian Nations U	94	5	0	0	89	0	0
Kansas State University	34,317	25,494	300	17	534	0	7,972
Pittsburg St U (Pittsbrg)	71	53	0	0	18	0	0
University of Kansas	62,404	53,485	0	44	6,648	0	2,227
Wichita State University	4,481	3,940	0	0	290	0	251

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Kentucky, total	95,886	73,265	0	314	7,297	364	14,646
Berea College	100	0	0	100	0	0	0
Eastern Kentucky U	100	0	0	0	0	0	100
Kentucky State University	5,201	2,478	0	7	184	92	2,440
Midway College	24	24	0	0	0	0	0
Morehead State University	232	34	0	33	165	0	0
Murray State University	365	231	0	0	109	0	25
Northern Kentucky U	188	24	0	0	0	0	164
Spalding University	353	308	0	0	45	0	0
U of Kentucky All Cmp	74,704	57,646	0	62	5,012	272	11,712
U of Louisville	12,341	11,097	0	0	1,183	0	61
Western Kentucky U	2,278	1,423	0	112	599	0	144
Lo ina, total	161,415	133,247	1,499	52	5,289	1,789	19,539
Dillard University	24	0	0	0	0	0	24
Grambling State U	1,065	492	0	0	441	132	0
LA St U All Campuses	90,839	78,894	450	52	1,810	44	9,589
LA St U System Office	528	501	0	0	3	24	0
LA U Marine Consortium	265	265	0	0	0	0	0
Louisiana Tech University	2,581	1,651	300	0	100	0	530
McNeese State University	1,268	1,268	0	0	0	0	0
Nicholls State University	550	550	0	0	0	0	0
Northwestern St U (Natch)	410	0	0	0	410	0	0
Southeast College of Tech	48	0	0	0	0	0	48
Southeastern Louisiana U	405	87	0	0	15	0	303
Southern U A&M All Cmp	11,932	6,328	0	)	1,129	805	3,670
Tulane University	41,318	39,517	647	[illegible]	819	330	5
U of Louisiana Lafayette	4,708	2,793	102	0	43	0	1,770
U of Louisiana at Monroe	257	178	0	0	0	79	0
Xavier U of Louisiana	5,217	723	0	0	519	375	3,600
Maine, total	23,886	16,331	573	88	1,650	1,059	4,185
Bates College	445	369	0	22	0	0	58
Bowdoin College	155	145	0	0	0	0	10
Central Maine Tech Col	34	0	0	0	0	0	34
Colby College	729	479	0	0	0	0	250
College of the Atlantic	50	50	0	0	0	0	0
Husson College	424	0	0	0	424	0	0
U of Maine	20,121	14,134	573	30	768	1,059	3,557
U of Maine Farmington	44	0	0	36	0	0	8
U of New England	564	270	0	0	274	0	20
U of Southern Maine	1,320	888	0	0	184	0	248
Maryland, total	992,768	827,086	2,549	296	29,683	13,467	119,687
Allegany Col of MD	5	5	0	0	0	0	0
Bowie State University	3,385	1,028	0	0	0	0	2,357
Capitol College	72	0	0	0	0	0	72
Charles County CC	20	20	0	0	0	0	0
Cmty Col Baltimore Catons	594	0	0	64	0	0	530
Coppin State College	568	0	0	0	568	0	0
Frostburg State U	256	0	0	0	0	0	256
Goucher College	4	4	0	0	0	0	0
Hood College	28	0	0	28	0	0	0
Johns Hopkins University	744,925	618,353	517	0	21,448	9,750	94,857

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Maryland, continued:							
Loyola College	495	395	0	0	0	0	100
Montgomery Col All Cmp	4	0	0	0	4	0	0
Morgan State University	11,494	4,277	0	0	798	586	5,833
Prince Georges CC	368	0	0	41	2	0	325
Salisbury State U	43	0	0	26	17	0	0
St Mary's Col of MD	59	27	0	32	0	0	0
Towson University	843	66	0	105	0	0	672
U Sys of MD Headquarters	5,438	3,087	0	0	1,654	616	81
U of Baltimore	150	150	0	0	0	0	0
U of MD Baltimore	84,641	77,942	1,500	0	2,923	390	1,886
U of MD Baltimore County	13,281	10,753	0	0	731	159	1,538
U of MD Biotech Inst	2,6[illegible]	2,641	0	0	0	0	0
U of MD College Park	107,634	96,092	532	0	1,023	1,903	8,084
U of MD Ctr for Env Sci	7,146	7,063	0	0	83	0	0
U of MD Eastern Shore	5,661	2,284	0	0	427	63	2,887
U of MD University Col	2,760	2,755	0	0	5	0	0
US Naval Academy	144	144	0	0	0	0	0
Washington College	32	0	0	0	0	0	32
Western Maryland College	77	0	0	0	0	0	77
Massachusetts, total	939,126	854,425	9,865	891	51,648	4,221	18,076
Amherst College	988	988	0	0	0	0	0
Assumption College	480	0	0	0	480	0	0
Bentley College	44	44	0	0	0	0	0
Boston College	13,256	11,634	150	0	613	289	570
Boston University	134,423	124,968	663	0	7,165	1,059	568
Brandeis University	24,257	21,114	606	0	2,127	410	0
Bristol Community College	43	0	0	43	0	0	0
Cape Cod CC	232	0	0	0	0	0	232
Clark University	3,277	2,913	150	43	166	0	5
Col of Our Lady of Elms	4	4	0	0	0	0	0
Col of the Holy Cross	110	54	0	56	0	0	0
Five Colleges Inc	24	24	0	0	0	0	0
Hampshire College	150	150	0	0	0	0	0
Harvard University	255,237	229,546	678	0	22,091	1,289	1,633
Holyoke Community College	214	214	0	0	0	0	0
MA Bay Community College	69	69	0	0	0	0	0
MA Inst of Technology	262,156	242,731	5,429	252	12,012	15	1,717
MGH Inst Hlth Professions	108	108	0	0	0	0	0
Merrimack College	75	75	0	0	0	0	0
Mount Holyoke College	1,075	648	60	0	0	0	367
Mount Wachusett CC	200	0	0	0	0	0	200
New Eng Col of Optometry	944	944	0	0	0	0	0
Northeastern University	21,214	17,843	228	35	553	0	2,555
Radcliffe College	406	406	0	0	0	0	0
Regis Col (Weston)	5[illegible]	0	0	0	56	0	0
Simmons College	1,431	814	0	0	394	0	223
Smith College	772	755	0	17	0	0	0
Springfield Col (Sprgfld)	328	114	0	24	190	0	0
Springfield Tech CC	1,258	223	0	35	0	0	1,000
Stonehill College	99	0	0	0	0	0	99
Suffolk University	100	100	0	0	0	0	0
Tufts University	45,416	42,181	0	0	1,929	865	441
U of MA Amherst	42,335	34,256	703	180	979	0	6,217
U of MA Boston	6,305	5,738	0	28	410	0	129

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Massachusetts, continued:							
U of MA Central Office	142	142	0	0	0	0	0
U of MA Dartmouth	1,378	1,376	0	0	0	0	0
U of MA Lowell	5,359	5,104	0	0	213	0	42
U of MA Worcester	54,936	52,561	0	0	2,041	294	40
Wellesley College	1,931	1,544	0	62	0	0	325
Wentworth Inst of Tech	664	664	0	0	0	0	0
Wheelock College	76	76	0	0	0	0	0
Williams College	1,397	1,287	0	35	0	0	75
Woods Hole Ocean Inst	52,865	50,211	1,053	0	100	0	1,501
Worcester Polytech Inst	3,292	2,800	145	81	129	0	137
Michigan, total	510,168	450,411	2,549	1,368	23,842	7,450	24,548
Albion College	146	114	0	32	0	0	0
Alma College	62	33	0	29	0	0	0
Alpena Community College	750	0	0	750	0	0	0
Andrews University	85	85	0	0	0	0	0
Bay Mills CC	61	0	0	0	61	0	0
Calvin College	320	186	111	23	0	0	0
Central Michigan U	303	128	0	0	26	0	149
Cnsrtm Intl Erth Sci Info	2,111	2,111	0	0	0	0	0
Cranbrook Acad of Art	251	0	0	0	0	0	251
Eastern Michigan U	628	628	0	0	0	0	0
Ferris State University	250	0	0	0	250	0	0
Grand Valley State U	512	105	0	33	34	0	340
Henry Ford CC	300	0	0	0	0	0	300
Hope College	950	499	0	94	0	0	357
Kalamazoo College	165	165	0	0	0	0	0
Kettering University	190	55	0	135	0	0	0
Lawrence Technological U	121	121	0	0	0	0	0
Michigan State University	96,979	77,360	997	64	2,305	1,120	15,133
Michigan Tech University	13,132	12,590	260	10	66	0	206
Northern Michigan U	304	28	0	0	25	0	251
Northwestern Michigan Col	14	0	0	0	14	0	0
Oakland University	3,023	2,938	0	35	44	0	6
Siena Heights University	50	50	0	0	0	0	0
U of Detroit Mercy	586	322	0	59	205	0	0
U of Michigan	314,670	288,635	1,181	0	17,283	4,511	3,060
Wayne State University	66,983	61,832	0	48	2,734	1,819	550
Western Michigan U	7,222	2,426	0	56	795	0	3,945
Minnesota, total	230,314	201,588	390	136	10,229	3,191	14,780
Augsburg College	772	162	0	0	0	0	610
Bemidji State University	53	53	0	0	0	0	0
Carleton College	343	244	0	0	0	0	99
College of St Benedict	490	490	0	0	0	0	0
College of St Scholastica	119	81	0	0	38	0	0
Concordia Col Moorhead	12	3	0	9	0	0	0
Fond du Lac Tribal & CC	237	127	0	0	58	52	0
Gustavus Adolphus College	188	132	0	0	0	0	56
Leech Lake Tribal College	79	19	0	0	60	0	0
Macalester College	208	167	0	24	0	0	17
Mesabi Range Cmty&Tech	261	261	0	0	0	0	0
Minnesota St Cols & U	33	0	0	0	33	0	0
Minnesota State U-Mankato	318	131	0	29	142	0	16

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Minnesota, continued:							
Moorhead State University	36	36	0	0	0	0	0
St Cloud State University	288	175	0	13	0	0	100
St Mary's U of Minnesota	151	51	0	19	62	0	19
St Olaf College	451	451	0	0	0	0	0
U of Minnesota	225,997	198,771	390	42	9,792	3,139	13,863
U of St Thomas (St Paul)	179	179	0	0	0	0	0
Winona State University	99	55	0	0	44	0	0
Mississippi, total	98,356	74,649	362	161	3,338	2,875	16,971
Alcorn State University	5,418	2,762	0	0	210	1,168	1,278
Delta State University	42	42	0	0	0	0	0
Gulf Coast Ed Intv Cnsrtm	100	100	0	0	0	0	0
Hinds CC Raymond	45	0	0	0	0	45	0
Holmes Community College	5	0	0	5	0	0	0
Jackson State University	8,757	5,415	0	0	1,091	1,283	968
Jones County Junior Col	351	0	0	0	0	0	351
Millsaps College	130	130	0	0	0	0	0
Mississippi AL Sea Grant	364	182	0	0	182	0	0
Mississippi College	73	35	0	38	0	0	0
Mississippi Rsch Cnstrm	3,761	3,761	0	0	0	0	0
Mississippi State U	50,773	38,083	0	40	220	0	12,430
Mississippi U for Women	52	0	0	0	52	0	0
Mississippi Valley St U	867	212	0	0	565	0	90
Rust College	210	50	0	0	0	160	0
Tougaloo College	586	71	0	0	352	163	0
U of Mississippi	16,456	15,687	162	19	412	0	176
U of Southern Mississippi	10,366	8,119	200	59	254	56	1,678
Missouri, total	341,020	300,116	1,428	304	15,861	1,615	21,696
Avila College	139	121	0	9	0	0	9
Central Missouri St U	48	48	0	0	0	0	0
Columbia Col (Columbia)	50	50	0	0	0	0	0
Cottey College	54	0	0	54	0	0	0
Crowder College	223	0	0	0	0	0	223
Drury College	228	0	0	39	0	0	189
Kirksville Col Osteo Med	420	277	0	0	143	0	0
Lincoln U (Jeffersn City)	5,498	1,877	0	0	164	475	2,982
Missouri Western St Col	46	0	0	20	0	0	26
Northwest Missouri St U	269	0	0	0	0	0	269
Southeast Missouri St U	486	222	0	0	264	0	0
Southwest Missouri St U	248	147	0	0	0	0	101
St Louis University	23,742	22,738	0	34	714	0	256
Three Rivers CC	51	0	0	51	0	0	0
Truman State University	40	35	0	0	5	0	0
U of Missouri Columbia	64,594	44,012	550	57	2,637	120	17,218
U of Missouri Kansas City	7,496	7,142	0	0	304	0	50
U of Missouri Rolla	6,269	5,555	378	0	240	0	96
U of Missouri St Louis	4,415	3,848	0	0	390	0	177
U of Missouri Sys Admin	1,915	1,193	0	0	705	17	0
Washington University	224,755	212,817	500	40	10,295	1,003	100
Webster University	34	34	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Montana, total	47,224	34,570	450	13	3,048	452	8,691
Blackfeet CC	65	0	0	0	65	0	0
Carroll College (Helena)	9	9	0	0	0	0	0
Dull Knife Memorial Col	60	0	0	0	60	0	0
Flathead Valley CC	13	0	0	13	0	0	0
Fort Belknap College	60	0	0	0	60	0	0
Fort Peck CC	350	0	0	0	224	126	0
Little Big Horn College	261	0	0	0	261	0	0
Montana State U Billings	9,482	6,948	336	0	105	0	2,093
Montana State U Bozeman	23,835	18,208	0	0	822	1	4,804
Montana State U Northern	223	0	0	0	0	0	223
Montana Tech of U of MT	858	806	0	0	52	0	0
Montana U Sys-Sys Off	228	114	114	0	0	0	0
Salish Kootenai College	1,711	10	0	0	497	0	1,204
Stone Child College	572	0	0	0	247	325	0
U of Montana, The	9,497	8,475	0	0	655	0	367
Nebraska, total	66,331	49,505	0	76	2,942	0	13,808
Creighton University	4,616	4,045	0	0	311	0	260
Nebraska Indian CC	61	0	0	0	61	0	0
Peru State College	10	10	0	0	0	0	0
U of Nebraska Ctrl Admin	1,114	578	0	54	482	0	0
U of Nebraska Kearney	14	14	0	0	0	0	0
U of Nebraska Lincoln	40,563	26,686	0	22	827	0	13,028
U of Nebraska Med Ctr	18,162	16,858	0	0	784	0	520
U of Nebraska Omaha	1,791	1,314	0	0	477	0	0
Nevada, total	36,607	30,274	221	0	1,226	2,231	2,655
Community Col S Nevada	120	0	0	0	0	0	120
Desert Research Institute	5,826	4,876	221	0	213	0	516
U & CC Sys of NV SO	6,026	3,795	0	0	0	2,231	0
U of Nevada Las Vegas	5,978	5,448	0	0	530	0	0
U of Nevada Reno	18,657	16,155	0	0	483	0	2,019
New Hampshire, total	78,832	68,716	2,235	0	3,510	470	3,901
Dartmouth College	47,529	43,893	0	0	2,674	445	517
Rivier College	14	0	0	0	14	0	0
U System of NH Sys Off	3,638	3,470	0	0	168	0	0
U of NH Durham	27,564	21,284	2,235	0	651	25	3,369
U of NH Keene St Col	3	0	0	0	3	0	0
U of NH at Manchester	84	69	0	0	0	0	15
New Jersey, total	256,808	225,963	3,446	344	11,546	2,322	13,187
Burlington County College	160	160	0	0	0	0	0
College of N Jersey, The	1,266	279	0	0	26	0	961
Drew University	196	196	0	0	0	0	0
Felician College NJ	20	0	0	0	20	0	0
Kean University	188	36	0	0	152	0	0
Mercer County CC	16	0	0	16	0	0	0
Middlesex County College	811	0	0	0	0	0	811
Monmouth University	46	46	0	0	0	0	0
Montclair St University	1,050	11	0	18	0	186	835
New Jersey City U	1,110	768	0	0	292	50	0

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
New Jersey, continued:							
New Jersey Inst of Tech	9,729	8,010	501	27	154	0	1,037
Passaic County CC	11	0	0	11	0	0	0
Princeton University	85,097	77,473	1,486	0	4,701	670	767
Ramapo College of NJ	523	0	0	0	0	0	523
Richard Stockton Col NJ	8	0	0	0	8	0	0
Rider University	278	206	0	0	0	72	0
Rowan University	435	107	0	179	0	0	149
Rutgers St U of NJ	85,987	73,853	959	0	2,338	1,089	7,748
Salem Community College	26	0	0	26	0	0	0
Seton Hall University	503	156	0	0	347	0	0
Stevens Institute of Tech	4,510	4,185	0	67	213	0	45
U of Med & Dent of NJ	64,763	60,402	500	0	3,295	255	311
William Paterson U of NJ	75	75	0	0	0	0	0
New Mexico, total	141,869	96,959	1,547	186	7,016	2,430	33,731
College of Santa Fe	130	130	0	0	0	0	0
Eastern NM U	50	0	0	0	0	0	50
Inst Ind AK Culture & Art	58	0	0	0	58	0	0
Luna Vocation Tech Inst	65	0	0	0	0	0	65
New Mexico Highlands U	9,513	4,300	0	0	1,260	753	3,200
New Mexico Inst Mining	6,538	6,230	139	35	73	0	61
New Mexico St U	52,866	21,081	416	128	1,669	870	28,702
Northern New Mexico CC	270	0	0	0	270	0	0
Santa Fe CC (Sante Fe NM)	293	0	0	0	293	0	0
Southwestrn Indian Poly	76	0	0	0	76	0	0
U of New Mexico	71,889	65,097	992	23	3,317	807	1,653
Western New Mexico U	121	121	0	0	0	0	0
New York, total	1,275,168	1,153,179	10,076	1,081	57,516	7,048	46,268
Adelphi University	29	4	0	0	25	0	0
Albany Col of Pharmacy	682	668	0	14	0	0	0
Albany Medical College	7,741	7,223	0	0	518	0	0
Alfred University	2,027	1,868	0	0	159	0	0
Bank Street Col of Ed	238	238	0	0	0	0	0
Barnard College	1,705	1,509	0	0	0	0	196
CUNY Bernard Baruch Col	433	386	0	0	26	0	21
CUNY Boro of Manhattan CC	140	0	0	0	0	0	140
CUNY Bronx CC	538	0	0	0	220	318	0
CUNY Brooklyn College	4,219	1,684	0	0	172	0	2,363
CUNY City College	13,799	8,351	0	0	522	631	4,295
CUNY Col Staten Island	710	710	0	0	0	0	0
CUNY Grad Schl & U Ctr	3,799	1,006	0	0	465	346	1,982
CUNY Herbert H Lehman Col	1,416	692	0	0	238	386	100
CUNY Hostos CC	48	0	0	0	0	0	48
CUNY Hunter College	6,857	5,921	0	38	898	0	0
CUNY J Jay Col Crim Just	619	619	0	0	0	0	0
CUNY Laguardia CC	587	512	0	0	75	0	0
CUNY Medgar Evers College	132	32	0	0	0	0	100
CUNY Mt Sinai Schl of Med	84,342	81,293	0	0	2,354	695	0
CUNY NY City Tech Col	345	345	0	0	0	0	0
CUNY Queens College	2,247	1,891	0	36	16	0	304
CUNY Queensboro CC	409	0	0	0	0	0	409
CUNY System Office	9,325	1,204	0	147	317	0	7,657
CUNY York College	1,669	316	0	0	235	1,118	0

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
New York, continued:							
Canisius College	26	0	0	26	0	0	0
Christ the King Seminary	20	20	0	0	0	0	0
Clarkson University	4,655	3,666	348	30	578	0	33
Colgate University	825	757	0	22	0	0	46
College of Mt St Vincent	22	0	0	0	22	0	0
College of New Rochelle	33	0	0	0	33	0	0
Columbia U Central Off	6,641	6,641	0	0	0	0	0
Columbia U City New York	237,429	220,561	0	53	13,102	1,228	2,485
Cornell University	230,408	196,006	6,480	48	11,951	658	15,265
D'Youville College	45	5	0	0	40	0	0
Dowling College	64	64	0	0	0	0	0
Fordham University	1,681	1,681	0	0	0	0	0
Hamilton College	133	103	0	0	0	0	30
Hofstra University	891	373	0	50	200	0	268
Iona College	99	99	0	0	0	0	0
Ithaca College	1,719	432	0	0	0	0	1,287
Long Island University	987	322	0	0	0	665	0
Manhattan College	3	3	0	0	0	0	0
Marist College	566	0	0	0	0	0	566
Marymount Col (Tarrytown)	32	32	0	0	0	0	0
Mater Dei College	20	20	0	0	0	0	0
Mercy Col (Dobbs Ferry)	193	101	0	0	0	0	92
NY Inst of Tech	399	399	0	0	0	0	0
NY Medical College	12,856	12,681	0	0	82	93	0
NY University	110,524	104,293	115	18	5,617	343	138
New School University	547	547	0	0	0	0	0
Niagara University	124	101	0	0	23	0	0
Pace University	537	413	0	0	124	0	0
Paul Smiths Col Arts Sci	9	9	0	0	0	0	0
Polytechnic University	2,365	2,186	0	0	0	0	179
Rensselaer Polytech Inst	19,462	17,512	522	245	76	0	1,107
Rochester Business Inst	11	0	0	0	11	0	0
Rochester Inst Technology	1,873	1,521	0	17	105	0	230
Rockefeller University	45,441	43,843	0	0	1,598	0	0
Russell Sage College	89	0	0	0	89	0	0
SUNY Cayuga County CC	450	450	0	0	0	0	0
SUNY Col Brockport	43	43	0	0	0	0	0
SUNY Col Buffalo	1,995	1,932	0	24	27	0	12
SUNY Col Cortland	260	20	0	0	0	0	240
SUNY Col Env Sci & Forest	996	920	0	0	0	0	76
SUNY Col Fredonia	44	44	0	0	0	0	0
SUNY Col Geneseo	101	76	25	0	0	0	0
SUNY Col Old Westbury	807	407	0	0	270	130	0
SUNY Col Oswego	422	196	0	0	0	0	226
SUNY Col Plattsburgh	93	0	0	0	0	0	93
SUNY Col Potsdam	20	0	0	20	0	0	0
SUNY Col of Optometry	987	874	0	0	113	0	0
SUNY Hlth Sci Ctr Brklyn	19,330	19,207	0	0	123	0	0
SUNY Monroe CC	27	0	0	27	0	0	0
SUNY Purchase Col	185	185	0	0	0	0	0
SUNY System Office	7,093	4,772	0	0	1,813	0	508
SUNY Upstate Medical Univ	10,033	9,999	0	0	34	0	0
SUNY at Albany	20,214	19,526	434	41	80	104	29
SUNY at Binghamton	9,818	8,668	0	0	128	0	1,022

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
New York, continued:							
SUNY at Buffalo	35,061	32,716	300	0	1,318	0	727
SUNY at New Paltz	113	57	0	29	27	0	0
SUNY at Stony Brook	83,338	77,176	928	0	2,321	133	2,780
Siena College (Loudnvl)	180	180	0	0	0	0	0
Skidmore College	76	53	0	23	0	0	0
St John Fisher College	5	0	0	0	5	0	0
St Johns University (NY)	1,469	1,309	0	0	160	0	0
St Lawrence University	50	50	0	0	0	0	0
Syracuse University	17,557	16,690	0	0	572	0	295
Teachers Col Columbia U	1,864	1,503	0	0	45	0	316
US Military Academy	38	0	0	0	0	0	38
Union Col (Schenectady)	791	342	0	136	17	0	296
University of Rochester	136,111	129,792	260	0	5,817	0	242
Vassar College	217	190	0	0	0	0	27
Wagner College	26	0	0	0	26	0	0
Yeshiva University NY	100,569	94,939	664	37	4,729	200	0
North Carolina, total	603,062	518,993	3,266	663	34,432	13,780	31,928
Appalachian St University	401	294	0	0	12	0	95
Barber Scotia College	149	0	0	0	0	149	0
Bennett Col (Greensboro)	545	179	0	0	212	154	0
Campbell University	90	90	0	0	0	0	0
Central Piedmont CC	247	247	0	0	0	0	0
Davidson College	528	265	0	38	0	0	225
Duke University	211,793	198,849	890	75	10,917	235	827
East Carolina University	5,437	4,087	0	0	1,200	0	150
Elizabeth City State U	1,353	1,048	0	31	0	124	150
Fayetteville State U	1,124	140	0	0	100	244	640
Guilford College	60	0	0	60	0	0	0
Johnson C Smith U	844	385	0	0	236	0	223
Livingstone College	113	83	0	0	0	30	0
Mars Hill College	25	0	0	0	0	0	25
NC Ag & Tech State U	15,849	9,679	0	0	785	[illegible]	4,499
NC Central University	910	652	0	0	258	0	0
NC State U	79,368	55,175	24	69	3,884	511	19,705
Piedmont CC	300	0	0	0	0	0	300
Shaw University	390	50	0	0	140	0	200
Southeastrn CC (Whitevl)	300	0	0	300	0	0	0
St Augustines College	218	92	0	0	0	0	126
U of NC Asheville	83	83	0	0	0	0	0
U of NC Chapel Hill	207,368	182,700	1,300	0	12,254	10,450	664
U of NC Charlotte	3,712	2,819	108	0	785	0	0
U of NC General Admin Off	10	10	0	0	0	0	0
U of NC Greensboro	5,416	1,216	0	0	517	0	3,683
U of NC Pembroke	176	4	0	0	172	0	0
U of NC Wilmington	3,131	2,379	0	0	0	752	0
Wake Forest University	60,836	57,503	944	0	2,389	0	0
Western Carolina U	984	193	0	90	335	0	366
Winston Salem State U	1,302	771	0	0	236	245	50

See explanatory information, if any, and SOURCE at end of table

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
North Dakota, total	34,853	22,168	413	103	2,732	381	9,056
Bismarck State College	27	0	0	27	0	0	0
Cankdeska Cikana CC	131	0	0	0	131	0	0
Fort Bethold CC	409	0	0	0	61	348	0
Jamestown College	65	65	0	0	0	0	0
Minot State University	849	560	0	20	269	0	0
North Dakota St U	15,028	9,091	329	10	248	11	5,339
Sitting Bull College	62	0	0	0	62	0	0
Turtle Mountain CC	2,329	0	0	0	70	0	2,259
U of North Dakota	15,832	12,452	84	46	1,792	0	1,458
United Tribes Tech Col	85	0	0	0	63	22	0
University of Mary	36	0	0	0	36	0	0
Ohio, total	427,418	384,494	2,126	541	17,843	1,514	20,900
Antioch University	26	0	0	0	26	0	0
Baldwin Wallace College	12	12	0	0	0	0	0
Bowling Gr St U	2,680	2,046	0	56	354	0	224
Case Western Reserve U	158,882	151,057	1,095	0	6,330	0	400
Central State U (Wlbrfc)	64	0	0	0	0	64	0
Cleveland State U	3,783	3,415	0	0	40	0	328
College of Wooster	245	180	0	0	0	0	65
Cuyahoga CC	795	328	0	54	0	0	413
Denison University	364	69	197	16	0	0	82
John Carroll University	505	447	0	0	0	0	58
Kent State U	9,035	7,609	0	80	1,333	0	13
Kenyon College	149	112	0	37	0	0	0
Lake Erie College	35	0	0	0	0	0	35
Lakeland CC	60	0	0	30	0	0	30
Medical College of Ohio	9,040	8,213	0	0	827	0	0
Miami University All Cmp	3,878	2,573	0	128	72	0	1,105
Mt Vernon Nazarene Col	26	26	0	0	0	0	0
Muskingum Area Tech Col	247	0	0	0	0	0	247
Muskingum College	25	0	0	25	0	0	0
Northeastern OH U Col Med	1,323	1,323	0	0	0	0	0
Oberlin College	796	498	0	48	0	0	250
Ohio Northern University	7	7	0	0	0	0	0
Ohio State U	119,143	101,336	332	0	4,130	0	13,345
Ohio University	6,894	6,804	0	0	0	0	90
Ohio Wesleyan University	185	185	0	0	0	0	0
Otterbein College	92	75	0	0	17	0	0
Sinclair Community Col	876	0	0	0	0	0	876
Southern State CC	1	0	0	0	1	0	0
Southwstrn OH Cncl Hi Ed	1,031	1,031	0	0	0	0	0
U of Akron	4,613	4,004	0	0	163	0	446
U of Cincinnati	63,268	58,169	202	0	3,067	1,450	380
U of Dayton	21,295	20,410	0	0	0	0	885
U of Toledo	6,093	4,342	0	0	329	0	1,422
Wilberforce University	185	185	0	0	0	0	0
Wittenberg University	180	135	0	45	0	0	0
Wright State U	11,311	9,903	300	0	1,108	0	0
Xavier U (Cincinnati)	46	0	0	0	46	0	0
Youngstown State U	228	0	0	22	0	0	206

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Oklahoma, total	97,515	68,552	1,049	73	3,77[illegible]	5,824	18,240
Carl Albert State Col	251	0	0	0	0	0	251
East Central University	1,027	485	0	0	291	0	251
Eastern Oklahoma St Col	238	0	0	0	0	238	0
Langston University	4,138	1,820	0	0	100	657	1,561
Murray State College	64	64	0	0	0	0	0
Northeastern State U	117	117	0	0	0	0	0
Oklahoma St U	38,751	22,276	111	48	1,097	0	15,219
Oral Roberts University	48	48	0	0	0	0	0
Rogers University	251	0	0	0	0	0	251
Southeastern OK St U	589	184	0	0	0	154	251
U of Central Oklahoma	30	5	0	25	0	0	0
U of Oklahoma	49,746	41,488	938	0	2,289	4,775	256
U of Tulsa	2,265	2,065	0	0	0	0	200
Oregon, total	200,106	169,153	1,106	2,187	12,628	5,570	9,462
Chemeketa CC	835	0	0	0	0	0	835
Eastern Oregon University	357	0	0	0	0	0	357
Lewis & Clark College	571	270	0	22	279	0	0
Linn Benton Community Col	200	200	0	0	0	0	0
Oregon Grad Inst Sci Tech	11,529	11,154	0	0	80	0	295
Oregon Hlth Sciences U	70,828	65,477	0	0	4,493	568	290
Oregon Institute of Tech	190	0	0	0	0	0	190
Oregon State University	73,770	61,707	0	15	1,747	4,574	5,727
Pacific University	20	20	0	0	0	0	0
Portland CC	50	0	0	0	0	0	50
Portland State U (OR)	6,016	2,651	0	2,000	580	184	601
Reed College	731	467	0	14	0	0	250
Southern Oregon U	97	51	0	46	0	0	0
University of Oregon	33,541	26,376	1,106	26	4,922	244	867
University of Portland	144	99	0	45	0	0	0
Western Oregon University	942	396	0	19	527	0	0
Western States Chiro Col	280	280	0	0	0	0	0
Willamette University	5	5	0	0	0	0	0
Pennsylvania, total	961,528	881,525	4,910	1,103	37,362	4,291	32,337
Albright College	50	50	0	0	0	0	0
Allegheny College	415	415	0	0	0	0	0
Allegheny U Hlth Sciences	37,128	35,491	0	0	1,252	350	35
Bloomsburg U of PA	77	26	0	50	1	0	0
Bryn Mawr College	908	661	0	32	5	0	210
Bucknell University	676	671	0	0	5	0	0
California U of PA	78	78	0	0	0	0	0
Carlow College	157	98	0	16	43	0	0
Carnegie Mellon U	90,008	86,367	428	116	664	0	2,433
Cedar Crest College	182	182	0	0	0	0	0
Clarion U of PA	204	14	0	0	0	0	190
College Misericordia	39	0	0	0	39	0	0
Dickinson College	160	14	0	95	0	0	51
Drexel University	11,436	11,142	0	0	51	0	243
Duquesne University	1,814	1,770	0	0	44	0	0
East Stroudsburg U of PA	30	0	0	30	0	0	0
Franklin & Marshall Col	665	566	0	0	0	0	99
Gannon University	18	0	0	0	18	0	0
Gwynedd Mercy College	47	0	0	0	47	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Pennsylvania, continued:							
Haverford College	705	705	0	0	0	0	0
Immaculata College	38	38	0	0	0	0	0
Indiana U of PA	434	91	0	20	6	297	20
Juniata College	118	118	0	0	0	0	0
Kutztown U of PA	35	0	0	35	0	0	0
La Salle University	1,046	0	0	0	75	0	971
Lafayette College	222	200	0	22	0	0	0
Lebanon Valley College	94	73	0	21	0	0	0
Lehigh Carbon CC	200	0	0	0	200	0	0
Lehigh University	11,086	10,393	0	0	678	0	15
Lincoln U (Linc U PA)	1,362	1,052	0	0	310	0	0
Lycoming College	88	0	0	88	0	0	0
Mercyhurst College	90	0	0	0	90	0	0
Millersville U of PA	186	0	0	16	0	0	170
Moravian College	51	14	0	37	0	0	0
Muhlenberg College	41	6	0	29	6	0	0
PA Col of Optometry	1,038	590	0	0	418	0	30
PA St U University Park	203,633	176,520	0	256	5,309	204	21,344
Phila Col Osteopathic Med	200	200	0	0	0	0	0
Phila Col of Pharm & Sci	292	292	0	0	0	0	0
Phila Col of Text & Sci	77	77	0	0	0	0	0
Shippensburg U of PA	16	10	0	0	6	0	0
Slippery Rock U of PA	97	0	0	0	97	0	0
St Francis Col (Loretto)	2,971	2,971	0	0	0	0	0
St Joseph's University	165	165	0	0	0	0	0
Susquehanna University	34	34	0	0	0	0	0
Swarthmore College	1,305	1,134	0	0	6	0	165
Temple University	29,240	24,473	1,000	0	1,993	235	1,539
Thiel College	30	0	0	30	0	0	0
Thomas Jefferson U	58,516	55,172	0	0	3,344	0	0
U of Pennsylvania	293,450	273,583	1,964	60	15,360	1,048	1,435
U of Pittsburgh	207,212	193,491	1,518	20	7,103	2,157	2,923
U of Scranton	30	0	0	0	30	0	0
U of the Arts, The	20	20	0	0	0	0	0
Villanova University	2,863	2,333	0	48	38	0	444
West Chester U of PA	104	64	0	20	0	0	20
Westminster Col (N Wmgtn)	62	0	0	62	0	0	0
Widener U All Campuses	158	61	0	0	97	0	0
Wilkes University	127	100	0	0	27	0	0
Rhode Island, total	74,965	62,663	755	21	4,416	169	6,941
Brown University	44,012	40,398	432	0	3,132	0	50
Rhode Island College	971	0	0	0	248	0	723
Roger Williams U All Cmp	21	0	0	21	0	0	0
U of Rhode Island	29,961	22,265	323	0	1,036	169	6,168
South Carolina, total	135,938	114,629	18[illegible]	1,517	4,590	1,791	13,231
Benedict College	1,368	801	0	0	295	172	100
Charleston Southern U	9	0	0	0	9	0	0
Claflin College	251	0	0	0	0	0	251
Clemson University	33,009	23,763	0	0	732	129	8,385
College of Charleston	1,459	1,035	0	96	328	0	0
Columbia Col (Columbia)	198	0	0	0	0	0	198
Florence-Dringtn Tech Col	350	350	0	0	0	0	0
Furman University	189	37	0	102	0	0	50

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
South Carolina, continued:							
Greenville Tech College	48	0	0	0	0	0	48
Horry Georgetown Tech Col	950	0	0	950	0	0	0
Medical U of S Carolina	56,374	54,600	0	0	1,432	342	0
Morris College	135	0	0	0	0	0	135
Piedmont Tech College	144	0	0	144	0	0	0
SC Sea Grant Consortium	300	150	0	0	150	0	0
SC State University	4,523	2,157	0	0	287	556	1,523
Trident Tech Col	279	0	0	128	0	0	151
U of SC All Campuses	35,750	31,731	180	97	1,357	536	1,849
Voorhees College	397	0	0	0	0	56	341
Wofford College	5	5	0	0	0	0	0
York Technical College	200	0	0	0	0	0	200
South Dakota, total	18,090	8,747	509	25	1,054	196	7,559
Augustana Col (Sioux Fls)	170	70	100	0	0	0	0
Black Hills State U	115	115	0	0	0	0	0
Cheyenne River CC	61	0	0	0	61	0	0
Mount Marty College	23	0	0	0	23	0	0
Oglala Lakota College	2,932	0	0	0	236	196	2,500
SD School Mines & Tech	2,792	2,282	0	25	235	0	250
SD State University	10,388	5,529	142	0	131	0	4,586
Sinte Gleska University	255	0	0	0	255	0	0
Sisseton Wahpeton CC	113	0	0	0	113	0	0
U of S Dakota	1,241	751	267	0	0	0	223
Tennessee, total	229,579	185,764	995	259	16,826	3,134	22,601
Austin Peay State U	94	94	0	0	0	0	0
Belmont University	30	0	0	0	30	0	0
Christian Brothers U	41	0	0	41	0	0	0
Cooper Institute	2,020	2,020	0	0	0	0	0
Cumberland School of Tech	6	6	0	0	0	0	0
East Tennessee State U	3,138	2,559	0	0	350	229	0
Fisk University	2,914	2,160	0	0	0	221	533
Le Moyne Owen College	765	0	0	0	0	65	700
Meharry Medical College	8,498	6,062	0	0	1,020	1,398	18
Middle TN State U	609	78	0	89	1	0	441
Nashville State Tech Inst	598	0	0	0	0	0	598
Pellissippi St Tech CC	1	0	0	0	1	0	0
Rhodes College	53	53	0	0	0	0	0
Tennessee State U	12,067	6,732	0	0	710	933	3,692
Tennessee Technological U	783	752	0	31	0	0	0
U of Memphis	6,286	5,226	0	40	915	0	105
U of Tennessee Chtnooga	424	150	0	31	82	0	161
U of Tennessee Knoxville	39,460	26,975	0	27	876	0	11,582
U of Tennessee Memphis	26,024	24,548	0	0	1,445	0	31
U of Tennessee U-Wide Adm	3,546	0	0	0	700	0	2,846
U of the South	68	68	0	0	0	0	0
Vanderbilt University	122,154	108,281	995	0	10,696	288	1,894
Texas, total	845,965	730,067	3,308	265	34,906	7,196	70,223
Abilene Christian U	137	137	0	0	0	0	0
Alamo CC District	228	33	0	0	0	195	0
Amarillo College	220	0	0	0	0	20	200
Austin CC (Austin TX)	145	0	0	0	0	0	145

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Texas, continued:							
Austin College	28	0	0	28	0	0	0
Baylor Col of Dentistry	970	757	0	0	213	0	0
Baylor Col of Medicine	134,066	115,247	0	0	5,264	866	12,689
Baylor University	118	69	0	0	0	0	49
Central Texas College	147	0	0	0	0	0	147
El Paso Community College	96	96	0	0	0	0	0
Houston Community College	161	0	0	0	0	0	161
Jarvis Christian College	244	189	0	0	0	55	0
Lamar University	5,278	4,924	0	0	354	0	0
Laredo Community College	110	0	0	0	0	0	110
Lubbock Christian U	55	55	0	0	0	0	0
McMurry University	2	2	0	0	0	0	0
Midwestern State U	70	70	0	0	0	0	0
Mountain View College	60	0	0	0	0	60	0
Our Lady of the Lake U	937	570	0	0	277	90	0
Palo Alto College	265	0	0	0	265	0	0
Paul Quinn College	57	0	0	0	0	57	0
Prairie View A&M U	10,995	6,651	0	0	730	676	2,938
Rice University	25,659	23,302	0	0	675	0	1,682
Sam Houston State U	1,847	1,739	0	48	0	0	60
South Texas CC	195	0	0	0	0	195	0
Southern Methodist U	6,947	6,947	0	0	0	0	0
Southwest Texas Jr Col	100	0	0	0	0	0	100
Southwest Texas St U	2,290	1,783	0	0	146	0	361
St Edwards University	165	165	0	0	0	0	0
St Marys U (San Antonio)	377	24	0	36	296	21	0
Stephen F Austin St U	579	318	0	0	261	0	0
Sul Ross State University	19	0	0	19	0	0	0
Tarleton State University	6,164	6,097	0	0	67	0	0
Texas A&M International U	2,534	2,502	0	0	0	32	0
Texas A&M U	64,395	43,226	794	0	1,588	223	18,564
Texas A&M U Commerce	26	0	0	26	0	0	0
Texas A&M U Corpus Chrsti	65	27	0	0	38	0	0
Texas A&M U Kingsville	1,049	699	0	0	350	0	0
Texas A&M U System Office	10,587	10,175	0	0	281	131	0
Texas Christian U	2,596	2,581	0	0	15	0	0
Texas Southern U	890	428	0	0	14	0	448
Texas State Tech Col	548	0	0	0	0	0	548
Texas Tech University	14,407	12,551	386	20	981	0	469
Texas Wesleyan University	180	0	0	0	180	0	0
Texas Womans University	2,110	1,371	0	0	739	0	0
Trinity University	817	635	0	88	45	0	49
U of Dallas	37	37	0	0	0	0	0
U of Houston	19,783	18,878	0	0	143	0	762
U of Houston Clear Lake	46	25	0	0	21	0	0
U of Houston Downtown	985	700	0	0	285	0	0
U of Houston Sys Admin	241	165	0	0	0	76	0
U of N Texas	2,748	1,405	0	0	615	283	445
U of N Texas Hlth Sci Ctr	4,051	3,913	0	0	138	0	0
U of TX Arlington	4,570	3,837	0	0	272	0	461
U of TX Austin	129,131	107,370	408	0	5,009	0	16,344
U of TX Brownsville	178	0	0	0	178	0	0
U of TX Dallas	4,163	3,651	70	0	194	0	248

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Texas, continued:							
U of TX El Paso	12,258	3,686	419	0	550	635	6,968
U of TX Hlth Sci Houston	81,295	77,780	0	0	2,469	668	378
U of TX Hlth Sci S Anto	52,942	49,605	0	0	3,115	139	83
U of TX MD Anderson Cancr	67,891	65,741	0	0	1,850	300	0
U of TX Med Brnch Galvstn	51,081	47,356	1,231	0	2,406	88	0
U of TX Pan American	1,620	425	0	0	170	925	100
U of TX Permian Basin	100	0	0	0	0	0	100
U of TX SW Med Ctr Dals	96,585	92,375	0	0	4,210	0	0
U of TX San Antonio	11,401	4,467	0	0	381	1,190	5,363
U of TX System Office	4,715	4,689	0	0	26	0	0
U of TX Tyler	371	371	0	0	0	0	0
U of the Incarnate Word	515	215	0	0	29	271	0
West Texas A&M U	50	6	0	0	44	0	0
Wiley College	273	0	0	0	22	0	251
Utah, total	165,549	147,366	1,300	16	8,389	1,579	6,899
Brigham Young U	5,432	5,322	0	2	108	0	0
Southern Utah University	28	0	0	14	0	0	14
University of Utah	105,411	97,320	1,300	0	4,888	1,579	324
Utah State University	53,843	43,979	0	0	3,393	0	6,471
Weber State University	835	745	0	0	0	0	90
Vermont, total	46,682	39,269	106	35	2,676	375	4,221
Bennington College	20	20	0	0	0	0	0
College of St Joseph	20	20	0	0	0	0	0
Middlebury College	677	677	0	0	0	0	0
St Michaels College	117	117	0	0	0	0	0
Trinity Col (Burlington)	649	0	0	0	300	0	349
University of Vermont	44,514	38,435	106	35	2,242	375	3,321
Vermont Law School	34	0	0	0	34	0	0
Vermont Technical College	651	0	0	0	100	0	551
Virginia, total	283,816	244,426	743	265	16,759	3,810	17,813
Col William & Mary All C	9,531	8,632	0	0	595	0	304
Eastern VA Medical Schl	5,018	4,985	0	0	33	0	0
Emory & Henry College	63	0	0	63	0	0	0
Ferrum College	67	0	0	0	0	0	67
George Mason University	12,081	10,548	0	0	446	0	1,087
Hampton University	11,968	8,868	106	0	1,745	0	1,249
J Sargeant Reynolds CC	325	325	0	0	0	0	0
James Madison University	619	473	0	60	0	16	70
Mary Washington College	8	8	0	0	0	0	0
Marymount U (Arlington)	35	0	0	17	18	0	0
Norfolk State University	2,609	1,754	0	0	116	0	739
Old Dominion University	11,787	10,052	467	0	874	0	394
Radford University	277	0	0	10	267	0	0
Randolph Macon College	28	0	0	28	0	0	0
Roanoke College	136	98	0	23	0	0	15
Sweet Briar College	43	43	0	0	0	0	0
U of Richmond	572	572	0	0	0	0	0
U of Virginia	108,412	100,562	0	0	6,380	432	1,038
Virginia Commonwealth U	54,155	48,136	170	0	4,156	515	1,178
Virginia Military Inst	41	41	0	0	0	0	0
Virginia Poly Inst & St U	60,033	46,108	0	64	1,387	2,676	9,798

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Virginia, continued:							
Virginia State University	5,417	3,016	0	0	356	171	1,874
Virginia Union University	567	181	0	0	386	0	0
Washington & Lee U	24	24	0	0	0	0	0
Washington, total	431,776	374,178	2,403	438	22,638	12,006	20,113
Bellevue CC	1,025	0	0	0	0	0	1,025
Central Washington U	499	403	0	79	0	0	17
Eastern Washington U	563	355	0	0	0	0	208
Evergreen State College	379	379	0	0	0	0	0
Gonzaga University	138	50	0	0	88	0	0
Green River CC	64	0	0	64	0	0	0
John Bastyr Col Nat Med	340	340	0	0	0	0	0
Northwest Indian College	359	0	0	0	69	0	290
Pacific Lutheran U	66	28	0	0	38	0	0
Seattle Pacific U	89	0	0	0	89	0	0
Seattle University	133	108	0	0	25	0	0
University of Puget Sound	158	108	0	50	0	0	0
University of Washington	380,690	335,511	2,403	0	20,184	9,925	12,667
Washington State U	43,485	34,468	0	102	958	2,081	5,876
Western Washington U	3,568	2,335	0	46	1,187	0	0
Whitman College	130	93	0	37	0	0	0
Whitworth College	90	0	0	60	0	0	30
West Virginia, total	49,687	22,569	0	23	2,510	1,085	23,500
Fairmont State College	36	13	0	23	0	0	0
Glenville State College	2	0	0	0	2	0	0
Marshall U Graduate Col	1,965	1,838	0	0	28	0	99
Salem Teikyo University	92	66	0	0	26	0	0
Shepherd College	15	15	0	0	0	0	0
University of Charleston	22	0	0	0	22	0	0
WV University (Morgantwn)	28,188	17,837	0	0	2,427	1,085	6,839
WV University Inst Tech	108	0	0	0	0	0	108
West Liberty State Col	333	0	0	0	0	0	333
Wheeling Jesuit U	18,926	2,800	0	0	5	0	16,121
Wisconsin, total	312,879	274,320	446	1,030	16,606	1,782	18,695
Alverno College	20	20	0	0	0	0	0
Beloit College	381	31	0	0	0	0	350
Cardinal Stritch U	22	0	0	22	0	0	0
Carthage College	23	0	0	23	0	0	0
Chippewa Valley Tech Col	453	0	0	453	0	0	0
Col of Menomenee Nation	59	0	0	0	59	0	0
Concordia U, Wisconsin	33	0	0	0	33	0	0
Edgewood College	28	28	0	0	0	0	0
Fox Valley Technical Col	68	0	0	68	0	0	0
Lac Courte Ojibwa CC	62	0	0	0	62	0	0
Lawrence University	212	181	0	31	0	0	0
Marquette University	3,097	2,425	0	0	376	0	296
Medical Col of Wisconsin	45,866	43,317	0	0	929	1,614	6
Milwaukee School of Eng	195	121	0	74	0	0	0
Mount Mary College	27	0	0	27	0	0	0
Ripon College	5	5	0	0	0	0	0
St Norbert College	10	10	0	0	0	0	0
U of WI Colleges	764	763	0	0	1	0	0
U of WI Eau Claire	554	185	0	31	338	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table B-15. Federal obligations for science and engineering (S&E) to universities and colleges, by State, institution, and type of activity: fiscal year 1998

[Dollars in thousands]

State and institution	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Wisconsin, continued:							
U of WI La Crosse	840	745	0	92	0	0	3
U of WI Madison	239,625	210,861	446	49	11,990	168	16,111
U of WI Milwaukee	7,334	6,581	0	48	395	0	310
U of WI Oshkosh	253	115	0	69	69	0	0
U of WI Platteville	62	0	0	0	62	0	0
U of WI River Falls	301	0	0	0	1	0	300
U of WI Stevens Point	475	272	0	43	2	0	158
U of WI Stout	2,287	885	0	0	902	0	500
U of WI System Office	9,329	7,691	0	0	1,387	0	251
U of WI Whitewater	84	84	0	0	0	0	0
Waukesha County Tech Col	200	0	0	0	0	0	200
Western WI Tech Col	210	0	0	0	0	0	210
Wyoming, total	19,476	15,711	429	0	592	155	2,589
University of Wyoming	19,476	15,711	429	0	592	155	2,589
American Samoa, total	1,197	390	0	0	0	90	717
American Samoa CC	1,197	390	0	0	0	90	717
Guam, total	3,654	1,696	0	0	67	426	1,465
University of Guam	3,654	1,696	0	0	67	426	1,465
Puerto Rico, total	66,712	34,138	128	67	5,671	8,341	18,367
American U Puerto Rico	61	0	0	0	0	61	0
Bayamon Central U	84	20	0	0	0	64	0
Inter Am U PR Ctrl Off	1,650	60	0	67	605	527	391
Ponce School of Medicine	3,762	2,282	0	0	23	1,457	0
Pont Cath U of PR, The	553	89	0	0	399	65	0
Sistema U Ana G Mendez	9	0	0	0	9	0	0
U Central Del Caribe	4,706	4,067	0	0	0	639	0
U Del Turabo	219	0	0	0	0	219	0
U Metropolitana	1,533	0	0	0	0	0	1,533
U of PR Arecibo U Col	81	0	0	0	0	81	0
U of PR Cayey U Col	212	0	0	0	0	212	0
U of PR Humacao U Col	2,723	669	0	0	187	508	1,359
U of PR La Montana Rgn	6	0	0	0	6	0	0
U of PR Mayaguez	19,575	9,937	128	0	478	1,050	7,982
U of PR Medical Sci	14,444	9,422	0	0	3,090	1,932	0
U of PR Rio Piedras	7,545	3,860	0	0	794	1,526	1,365
U of the Sacred Heart	124	0	0	0	0	0	124
University of PR System	9,425	3,732	0	0	80	0	5,613
Trust Territory of the Pacific Islands, total	3,312	1,374	0	0	0	0	1,938
Col of Micronesia FSM	1,775	753	0	0	0	0	1,022
Northern Marianas College	1,537	621	0	0	0	0	916
Virgin Islands, total	1,363	981	0	0	185	197	0
U of the Virgin Islands	1,363	981	0	0	185	197	0

[1] See Technical Notes, "Categories of Support."

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
United States, total	16,031,984	872,072	205,903	1,710,637	242,643	632,490	186,019	8,629,051	924,091	2,448,276	180,802
Alabama, total	262,235	24,156	422	16,520	4,553	4,490	171	156,636	35,615	15,823	3,849
Alabama A & M University	8,111	4,135	0	2,415	107	30	95	131	1,198	0	0
Alabama Southern CC	360	0	0	0	0	0	0	0	0	360	0
Alabama State University	367	0	0	0	0	0	0	367	0	0	0
Auburn University	28,200	15,486	100	2,384	1,916	830	55	1,853	2,621	2,687	268
Bevill State CC	86	0	0	0	0	0	0	0	0	86	0
Birmingham Southern Col	87	0	0	0	0	0	0	83	4	0	0
Bishop State CC	119	0	0	84	35	0	0	0	0	0	0
Concordia College (Selma)	223	0	0	0	223	0	0	0	0	0	0
Huntingdon College	31	0	0	0	0	0	0	0	0	31	0
J F Drake St Tech Col	14	0	0	0	0	0	0	0	0	14	0
Jacksonville State U	100	0	0	0	0	0	0	0	0	100	0
Miles College	17	0	0	0	0	0	0	0	17	0	0
Northwest-Shoals CC	205	0	205	0	0	0	0	0	0	0	0
Oakwood College	562	0	0	501	0	0	0	61	0	0	0
Southern Union State CC	1	1	0	0	0	0	0	0	0	0	0
Stillman College	454	0	0	0	223	0	0	231	0	0	0
Talladega College	579	0	0	0	58	0	0	521	0	0	0
Trenholm State Tech Col	191	0	0	0	0	0	0	0	191	0	0
Troy State U Main	46	0	0	8	0	0	0	38	0	0	0
Tuskegee University	10,662	4,220	0	608	0	275	21	2,616	1,959	963	0
U of Alabama Birmingham	169,627	219	0	6,058	1,831	2,539	0	137,474	12,955	5,729	2,822
U of Alabama Huntsville	20,964	0	0	3,583	0	129	0	224	14,982	2,046	0
U of Alabama Sys Off	279	0	0	279	0	0	0	0	0	0	0
U of Alabama, The	10,066	5	100	600	0	633	0	2,728	1,639	3,602	759
U of North Alabama	8	0	0	0	0	0	0	0	0	8	0
U of South Alabama	10,876	90	17	0	160	54	0	10,309	49	197	0
Alaska, total	35,945	4,113	4,373	936	346	50	780	2,380	10,254	9,422	3,291
Alaska Pacific University	310	0	240	0	0	50	0	0	0	20	0
Sheldon Jackson College	32	0	0	0	0	0	0	32	0	0	0
U of AK Anchorage All Cmp	3,413	0	110	0	95	0	187	2,281	0	727	13
U of AK Fairbanks All Cmp	27,293	3,640	0	936	251	0	193	66	10,254	8,675	3,278
U of AK Southeast	475	0	75	0	0	0	400	0	0	0	0
U of AK System Higher Ed	4,422	473	3,948	0	0	0	0	1	0	0	0
Arizona, total	205,623	10,029	3,104	20,155	3,240	4,523	5,846	79,280	22,201	54,622	2,623
Arizona State U East	1,900	0	1,900	0	0	0	0	0	0	0	0
Arizona State U Main	39,395	952	0	3,011	759	1,161	1,536	10,282	2,424	18,877	393
Arizona Western College	11	0	0	0	0	0	0	0	0	11	0
Cochise College	35	0	0	35	0	0	0	0	0	0	0
Dine College	1,387	90	0	225	65	0	0	341	296	370	0
Maricopa CC Sys Off	5,981	0	0	0	0	0	0	0	0	5,981	0
Northern Arizona U	8,365	724	0	0	838	331	2,109	1,548	168	2,252	395
Pima County CC Dist	976	0	500	0	0	0	0	476	0	0	0
Prescott College	58	0	0	0	0	0	0	0	0	9	49
U & State Col AZ Sys Off	577	0	231	75	0	271	0	0	0	0	0
University of Arizona	146,938	8,263	473	16,809	1,578	2,760	2,201	66,633	19,313	27,122	1,786

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Arkansas, total	64,146	23,724	451	3,406	3,644	100	381	24,876	1,562	5,258	744
Arkansas State U	155	5	100	0	0	50	0	0	0	0	0
Arkansas Tech University	93	15	0	0	0	0	0	0	37	41	0
Hendrix College	20	0	0	0	0	0	0	0	20	0	0
Lyon College	249	0	0	0	249	0	0	0	0	0	0
Ouachita Baptist U	252	0	0	29	223	0	0	0	0	0	0
Philander Smith College	97	0	0	0	0	0	0	97	0	0	0
U of Arkansas Little Rock	15,558	10,965	275	1,012	569	50	0	907	1,328	452	0
U of Arkansas Main	17,717	7,583	76	1,896	2,337	0	100	813	155	4,092	665
U of Arkansas Med Sci	24,005	221	0	387	100	0	281	22,804	0	212	0
U of Arkansas Monticello	70	48	0	0	0	0	0	0	22	0	0
U of Arkansas Pine Bluff	5,280	4,887	0	82	0	0	0	232	0	0	79
U of Central Arkansas	336	0	0	0	166	0	0	23	0	147	0
Westark College	314	0	0	0	0	0	0	0	0	314	0
California, total	2,316,824	32,887	19,255	246,602	29,186	91,170	26,989	1,246,649	176,850	425,339	21,897
Azusa Pacific University	90	0	0	0	0	0	0	90	0	0	0
Bakersfield College	20	0	0	0	0	0	0	0	0	20	0
CA Col of Podiatric Med	14	0	0	0	0	0	0	14	0	0	0
CA Inst of Technology	168,711	0	0	38,030	0	9,459	3,074	27,226	20,372	69,825	725
CA Lutheran University	251	0	0	0	251	0	0	0	0	0	0
CA Schl Prof Psych Ctrl	500	0	0	0	500	0	0	0	0	0	0
CA Schl Prof Psych LA	29	0	0	0	0	0	0	29	0	0	0
CA St Poly U Pomona	2,669	0	0	1,599	0	0	0	1,070	0	0	0
CA St Poly U San Luis	1,598	653	0	158	0	0	50	148	241	348	0
CA St U Bakersfield	208	78	0	0	0	0	0	19	53	58	0
CA St U Chico	1,242	12	110	0	543	0	0	0	392	185	0
CA St U Dominguez Hills	2,082	0	0	0	526	0	0	860	0	696	0
CA St U Fresno	457	0	0	0	189	0	0	168	100	0	0
CA St U Fullerton	3,471	0	0	0	130	72	0	1,011	100	2,158	0
CA St U Hayward	1,022	0	0	0	0	0	0	872	25	125	0
CA St U Long Beach	9,121	16	0	0	629	0	0	2,874	325	977	4,300
CA St U Los Angeles	9,119	91	0	363	1,548	0	0	2,458	2,453	2,206	0
CA St U Monterey Bay	446	0	0	0	0	0	0	0	0	446	0
CA St U Northridge	2,485	10	0	406	862	74	0	852	281	0	0
CA St U Sacramento	2,188	0	0	94	0	0	0	32	20	274	1,768
CA St U San Bernardino	501	0	0	0	200	0	0	0	0	301	0
CA St U San Marcos	349	0	0	0	0	0	0	0	0	349	0
CA St U Stanislaus	215	0	0	0	165	0	0	0	0	50	0
CA St U System Office	2,616	0	0	722	1,868	0	0	0	0	0	26
Chapman University	61	0	0	0	0	0	0	61	0	0	0
Charles Drew U Med & Sci	6,168	0	0	126	0	0	0	6,042	0	0	0
Claremont Graduate U	619	3	0	17	0	0	0	335	0	264	0
Claremont McKenna College	112	0	0	0	0	0	0	112	0	0	0
College of San Mateo	83	0	0	0	0	0	0	0	83	0	0
Contra Costa College	137	0	0	137	0	0	0	0	0	0	0
Cuesta College	82	0	0	0	0	0	0	0	0	82	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
California, continued:											
Cypress College	417	0	0	0	0	0	0	0	0	417	0
D-Q University	59	59	0	0	0	0	0	0	0	0	0
East Los Angeles College	305	0	0	0	0	0	0	0	0	305	0
Evergreen Valley College	375	0	0	0	0	0	0	0	0	375	0
Foothill College	300	0	0	0	0	0	0	0	0	300	0
Foothill-DeAnza CC SO	1,309	0	0	0	0	0	0	0	1,309	0	0
Hartnell College	135	135	0	0	0	0	0	0	0	0	0
Harvey Mudd College	1,452	0	0	0	296	0	0	0	36	1,120	0
Humboldt State University	948	374	0	35	0	0	0	0	0	288	251
LA Col of Chiropractic	243	0	0	0	0	0	0	243	0	0	0
La Sierra University	105	0	0	0	0	0	0	105	0	0	0
Loma Linda University	7,609	0	0	0	0	2,887	0	4,588	0	134	0
Los Rios CC Dist Off	10	0	0	0	0	0	0	0	0	10	0
Loyola Marymount U	311	0	0	0	104	0	0	0	0	207	0
Merced College	150	0	0	0	0	0	0	0	0	150	0
Monterey Peninsula Col	1,297	0	0	0	299	0	0	0	0	998	0
Mount St Marys Col LA CA	277	0	0	0	0	0	0	277	0	0	0
Natl Physical Sci Cnstrm	659	0	30	0	0	0	0	0	629	0	0
Naval Postgraduate Schl	845	0	0	0	0	0	0	0	0	845	0
Occidental College	875	0	0	0	0	61	0	0	0	814	0
Pasadena City College	603	0	0	0	0	0	0	0	198	405	0
Pepperdine University	40	0	0	0	0	0	0	0	0	40	0
Pitzer College	211	0	0	0	0	0	0	211	0	0	0
Point Loma Nazarene Col	33	0	0	0	0	0	0	0	0	33	0
Pomona College	1,077	0	0	0	0	0	0	487	0	590	0
Porterville College	13	0	0	0	0	0	0	0	0	13	0
Rio Hondo College	50	0	0	0	0	0	50	0	0	0	0
Saddleback College	8	0	0	0	0	0	0	0	0	8	0
Sam Merritt College	62	0	0	0	0	0	0	62	0	0	0
San Diego State U	31,345	0	17	3,655	3,959	385	3,110	12,251	239	6,898	831
San Fran CC Dist	1,200	0	0	0	0	0	0	0	0	1,000	200
San Fran State University	10,787	3	0	0	1,071	464	245	3,300	426	5,211	67
San Joaquin Col of Law	49	49	0	0	0	0	0	0	0	0	0
San Jose State University	11,618	0	0	408	997	160	0	1,082	4,407	4,564	0
Santa Clara University	567	0	0	0	0	0	0	0	248	319	0
Scripps College	21	21	0	0	0	0	0	0	0	0	0
Scripps Rsch Inst, The	114,149	0	0	1,873	0	342	0	109,720	0	2,214	0
Skyline College	204	0	0	204	0	0	0	0	0	0	0
Sonoma State University	606	0	0	0	263	0	0	286	45	12	0
Southwestern Col Chl Vsta	151	0	0	0	78	0	0	0	0	73	0
St Mary's College of CA	74	0	0	0	0	0	0	0	0	74	0
Stanford University	353,306	20	523	40,299	2,519	8,024	3,653	177,831	70,285	46,226	3,926
State Center CC Dist	110	0	110	0	0	0	0	0	0	0	0
U of CA Berkeley	206,186	14,837	148	22,086	1,029	5,676	4,080	70,473	28,859	56,982	2,016
U of CA Davis	124,572	10,863	0	3,717	975	6,731	6,336	67,478	2,673	24,322	1,477
U of CA Irvine	77,401	0	14	7,623	0	5,645	237	48,718	3,434	11,695	35
U of CA Los Angeles	265,677	311	722	23,234	3,735	19,063	1,973	182,116	10,854	23,373	296

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
California, continued:											
U of CA Office of Pres	27,045	21	13,678	172	0	8,086	0	5,088	0	0	0
U of CA Riverside	22,473	4,982	0	1,092	0	1,737	1,624	5,678	2,939	4,381	40
U of CA San Diego	297,340	90	0	31,271	0	13,930	26	155,551	12,343	81,939	2,190
U of CA San Francisco	245,334	0	0	2,496	375	676	0	238,694	713	2,380	0
U of CA Santa Barbara	79,201	139	97	22,348	178	3,748	866	7,124	7,316	34,705	2,680
U of CA Santa Cruz	32,608	120	2,484	3,275	4,612	2,676	690	7,574	1,710	9,290	177
U of La Verne	34	0	0	0	0	0	0	0	0	34	0
U of Redlands	975	0	0	0	0	0	975	0	0	0	0
U of San Diego	328	0	0	0	0	0	0	282	0	46	0
U of San Francisco	884	0	0	0	636	0	0	12	150	86	0
U of Southern California	175,606	0	1,322	41,162	649	1,274	0	102,942	3,592	23,773	892
U of the Pacific	383	0	0	0	0	0	0	129	0	254	0
US International U	74	0	0	0	0	0	0	74	0	0	0
Ventura Co CC Sys Off	38	0	0	0	0	0	0	0	0	38	0
Westmont College	34	0	0	0	0	0	0	0	0	34	0
Colorado, total	432,229	10,709	35,238	18,823	7,709	11,209	6,942	156,247	56,088	124,754	4,510
Adams State College	15	0	0	0	0	0	0	0	0	15	0
Aims Community College	164	0	0	0	93	0	0	0	0	71	0
Colorado College	34	0	0	0	0	0	0	0	0	34	0
Colorado School of Mines	6,256	153	65	1,026	0	762	251	0	1,336	2,476	187
Colorado State University	77,671	10,469	9,954	7,141	150	3,089	3,761	24,402	3,778	12,377	2,550
Fort Lewis College	12	0	0	0	0	0	0	0	0	0	12
Front Range CC	175	0	0	0	175	0	0	0	0	0	0
Metro State Col of Denver	580	0	0	0	0	0	0	290	0	290	0
Natl Technological U	110	0	0	0	0	0	0	0	0	110	0
Regis University	49	0	0	0	0	0	0	49	0	0	0
Teikyo Loretto Heights U	48	0	0	0	0	0	0	0	0	48	0
Trinidad State Junior Col	289	0	0	0	289	0	0	0	0	0	0
U Corp for Atmosph Rsch	92,000	0	11,592	703	0	1,836	0	0	3,309	74,560	0
U of Colorado	242,967	87	13,440	9,281	4,944	5,522	2,930	126,968	46,298	31,937	1,560
U of Northern Colorado	3,829	0	0	0	1,788	0	0	583	16	1,442	0
U of Southern Colorado	923	0	0	0	0	0	0	923	0	0	0
University of Denver	7,071	0	187	672	270	0	0	3,032	1,351	1,358	201
Western State Col of CO	36	0	0	0	0	0	0	0	0	36	0
Connecticut, total	291,633	5,757	1,917	9,981	2,006	10,721	475	231,160	4,440	24,844	332
Capital Cmty Tech Col	125	0	0	0	0	0	0	0	0	125	0
Central Connecticut St U	235	0	0	0	0	0	0	235	0	0	0
Connecticut College	76	0	0	30	0	0	0	0	0	46	0
Eastern Connecticut St U	33	33	0	0	0	0	0	0	0	0	0
Fairfield University	121	0	0	0	0	50	0	33	0	0	38
Sacred Heart University	75	0	0	0	0	0	0	22	0	53	0
Southern Connecticut St U	59	0	0	0	0	0	0	59	0	0	0
St Joseph Col (W Hrtfrd)	37	0	0	0	0	0	0	37	0	0	0
Trinity Col (Hartford)	226	0	0	0	0	0	0	103	0	123	0
U of Connecticut	53,491	4,778	1,917	3,429	1,506	812	226	31,616	178	8,749	280

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Connecticut, continued:											
U of Hartford	1,339	0	0	0	500	0	0	0	213	626	0
U of New Haven	8	0	0	0	0	0	0	0	8	0	0
Wesleyan University	2,301	0	0	0	0	0	142	2,141	18	0	0
Western Connecticut St U	5	0	0	0	0	0	0	0	0	5	0
Yale University	233,502	946	0	6,522	0	9,859	107	196,914	4,023	15,117	14
Delaware, total	41,037	5,274	1,572	8,529	920	1,323	1,604	6,752	2,301	12,635	127
Delaware State University	2,692	1,560	0	440	0	0	0	548	98	46	0
Delaware Tech & CC	1,098	5	0	0	514	0	579	0	0	0	0
University of Delaware	37,191	3,709	1,572	8,089	406	1,323	1,025	6,148	2,203	12,589	127
Wilmington Col (N Cstl)	56	0	0	0	0	0	0	56	0	0	0
District of Columbia, total	146,930	1,786	776	19,251	5,113	1,896	2,343	90,023	7,453	10,574	7,715
American University	2,485	29	0	792	0	0	89	205	297	1,073	0
Catholic U of America	6,067	2	201	809	0	185	0	1,304	2,752	758	56
Cnsrtm Ocean Rsch & Ed	346	0	0	246	0	0	0	0	0	100	0
Gallaudet University	1,437	0	0	0	1,300	0	0	97	40	0	0
George Washington U	36,302	0	387	2,488	2,847	805	1,464	21,825	1,866	1,556	3,064
Georgetown University	68,729	182	94	10,324	161	0	235	52,286	22	1,333	4,092
Howard University	28,079	47	94	4,196	637	906	555	13,108	2,476	5,557	503
Trinity College (DC)	17	0	0	0	0	0	0	0	0	17	0
University of DC	3,468	1,526	0	396	168	0	0	1,198	0	180	0
Florida, total	388,166	22,134	11,351	56,239	11,458	20,811	1,946	158,825	27,255	72,005	6,142
Advanced Technology Inst	537	0	0	0	0	537	0	0	0	0	0
Barry University	1,049	0	0	0	0	0	0	1,049	0	0	0
Bethune Cookman College	1,855	0	13	0	382	25	0	605	830	0	0
Brevard Community College	125	0	0	0	0	0	0	0	0	125	0
Daytona Beach CC	646	0	0	0	0	0	0	487	0	159	0
Eckerd College	82	0	0	0	0	0	6	0	8	8	60
Edward Waters College	50	0	0	0	0	0	0	0	50	0	0
Embry Riddle Aeronautcl U	2,704	0	0	598	251	0	0	0	1,438	417	0
Florida A&M University	23,644	4,140	75	2,423	418	2,501	0	4,500	5,447	4,140	0
Florida Atlantic U	14,146	0	0	10,649	114	325	0	2,096	481	374	107
Florida Gulf Coast U	167	0	0	0	0	0	0	0	0	167	0
Florida Inst of Tech	1,207	0	0	350	0	0	7	281	120	449	0
Florida International U	15,621	5	0	1,710	746	5,502	0	1,313	2,718	2,142	1,485
Florida Memorial College	453	0	0	0	0	0	0	0	453	0	0
Florida State University	47,790	0	852	1,111	1,720	6,371	0	7,704	2,903	26,829	300
Hillsborough CC	298	0	0	0	0	0	0	0	0	298	0
Indian River CC	218	0	0	0	0	0	0	0	0	218	0
Miami-Dade CC	37	0	0	0	0	0	0	0	0	37	0
Nova Southeastern U	2,383	0	271	83	144	0	0	1,516	0	369	0
Rollins College	89	49	0	0	0	40	0	0	0	0	0
Seminole CC	46	0	0	0	0	0	0	0	0	46	0
State U System FL Sys Off	1,894	0	1,894	0	0	0	0	0	0	0	0
Stetson University	68	0	0	0	0	0	0	0	0	68	0
University of Central FL	13,692	0	3	7,791	160	484	0	247	1,244	2,715	1,048
University of Florida	114,590	17,845	609	8,616	1,138	4,360	1,024	56,095	4,462	18,150	2,291

See explanatory information, if any, and SOURCE at end of table.

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Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Florida, continued:											
University of Miami	101,225	95	6,353	6,591	2,159	477	131	69,401	4,703	10,990	325
University of North FL	512	0	0	0	0	0	0	489	0	23	0
University of South FL	40,182	0	1,281	15,245	4,226	189	181	13,003	1,683	3,906	468
University of Tampa	39	0	0	0	0	0	0	39	0	0	0
University of West FL	2,792	0	0	1,072	0	0	597	0	690	375	58
Valencia CC	25	0	0	0	0	0	0	0	25	0	0
Georgia, total	353,350	29,630	5,770	65,872	3,596	8,196	3,658	172,144	14,319	47,206	2,959
Agnes Scott College	125	49	0	0	0	0	0	0	0	76	0
Albany State University	526	0	0	0	0	25	0	303	198	0	0
Andrew College	131	0	0	0	0	0	0	0	0	131	0
Athens Area Tech Inst	733	0	0	0	0	0	0	0	0	733	0
Clark Atlanta University	13,163	146	100	3,427	404	519	81	3,027	2,399	2,815	245
Emory University	116,268	60	0	1,922	345	654	0	109,244	0	4,026	17
Fort Valley State U	5,128	4,922	0	39	82	52	0	0	0	0	33
Georgia Inst of Tech	90,742	0	4,189	51,430	61	1,162	1,936	4,540	6,309	20,637	478
Georgia Southern U	875	0	0	0	0	0	0	442	84	349	0
Georgia State University	10,327	0	0	32	959	75	25	7,538	163	1,527	8
Heart of GA Tech Inst	79	0	0	0	0	0	0	0	0	0	79
Inst Paper Sci & Tech	1,762	26	0	0	0	1,736	0	0	0	0	0
Kennesaw State University	292	0	0	0	0	0	0	135	0	157	0
Medical Col of Georgia	14,708	0	0	0	0	0	0	14,708	0	0	0
Mercer U	8,391	0	0	7,575	0	0	0	816	0	0	0
Morehouse College	6,853	31	0	350	324	58	0	1,107	1,809	3,174	0
Morehouse School of Med	13,591	0	0	0	0	0	0	13,591	0	0	0
Morris Brown College	843	0	0	134	278	0	0	371	60	0	0
North GA Col & State U	44	0	0	0	0	44	0	0	0	0	0
Paine College	32	0	0	0	0	0	0	32	0	0	0
Savannah State University	1,996	0	0	0	0	0	0	185	222	1,589	0
Spelman College	4,167	0	0	243	0	0	60	1,359	2,305	200	0
State U of West Georgia	321	0	0	0	0	0	0	317	0	4	0
Thomas Col (Thomsvl)	70	0	0	0	70	0	0	0	0	0	0
University Sys of Georgia	9	9	0	0	0	0	0	0	0	0	0
University of Georgia	60,865	24,387	1,481	720	1,073	3,871	1,556	14,363	690	10,625	2,099
Valdosta State University	114	0	0	0	0	0	0	34	80	0	0
Wesleyan College (Macon)	1,195	0	0	0	0	0	0	32	0	1,163	0
Hawaii, total	74,294	11,544	4,627	4,349	1,463	2,669	56	19,587	10,544	15,356	4,099
Chaminade U of Honolulu	84	0	0	0	0	0	0	84	0	0	0
Honolulu CC	32	0	0	0	0	0	32	0	0	0	0
Maui Community College	1,048	0	0	0	0	48	0	0	0	0	1,000
U of Hawaii Hilo	631	0	0	0	251	0	0	0	0	0	380
U of Hawaii Manoa	67,681	11,351	4,627	4,349	1,212	715	24	19,503	10,544	15,356	0
U of Hawaii System Office	4,818	193	0	0	0	1,906	0	0	0	0	2,719

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Idaho, total	24,741	7,736	807	2,799	1,066	3,046	107	1,965	850	3,575	2,790
Boise State University	2,179	0	807	987	0	0	100	0	110	135	40
Idaho State University	2,540	0	0	236	715	0	0	896	0	606	87
University of Idaho	20,022	7,736	0	1,576	351	3,046	7	1,069	740	2,834	2,663
Illinois, total	575,025	24,730	4,038	46,218	11,082	22,322	4,392	302,766	11,168	144,887	3,422
Augustana Col (Rock Isld)	42	0	0	0	0	0	0	0	0	42	0
Bradley University	3,973	0	3,134	0	0	0	0	759	0	80	0
Chicago State University	1,955	0	0	200	0	0	0	1,052	0	703	0
De Paul University	2,889	78	0	0	0	0	0	2,560	185	66	0
East West University	251	0	0	0	251	0	0	0	0	0	0
Eastern Illinois U	195	0	0	0	0	0	0	46	0	149	0
Elmhurst College	18	0	0	0	0	0	0	0	0	18	0
Finch U Hlth Sci/Chic Med	4,152	0	0	0	0	0	0	4,109	0	43	0
Governors State U	29	0	0	0	0	0	0	29	0	0	0
Illinois Inst of Tech	8,542	0	75	2,611	501	401	96	4,127	0	670	61
Illinois State University	1,529	0	0	0	217	18	0	331	11	952	0
Illinois Wesleyan U	9	0	0	0	0	0	9	0	0	0	0
Joliet Junior College	153	0	0	0	0	0	0	0	0	153	0
Knox College	188	0	0	0	0	0	0	0	0	188	0
Lake Forest College	80	0	0	0	0	0	0	0	0	80	0
Lewis University	10	0	0	0	0	0	0	10	0	0	0
Loyola U of Chicago	16,667	0	0	393	0	67	0	15,375	0	832	0
Mennonite Col of Nursing	246	0	0	0	0	0	0	246	0	0	0
Metropolitan CC	12	12	0	0	0	0	0	0	0	0	0
Midwestern University	295	0	0	0	0	0	0	295	0	0	0
Millikin University	58	0	0	0	0	0	0	0	0	58	0
Moraine Valley CC	58	0	0	0	0	0	0	0	0	58	0
National Col Chiropractic	216	0	0	0	0	0	0	216	0	0	0
Northeastern Illinois U	40	0	0	0	0	0	0	0	0	40	0
Northern Illinois U	4,401	0	0	898	1,108	0	0	1,103	0	1,292	0
Northwestern University	127,999	0	49	13,502	2,323	4,472	561	77,985	1,785	26,973	349
Oakton Community College	238	0	0	0	0	0	0	0	0	238	0
Rush University	1,730	0	0	1,170	0	0	0	460	0	100	0
Southern IL U	339	106	0	0	0	233	0	0	0	0	0
Southern IL U Carbondale	9,092	781	0	20	911	409	0	3,261	19	3,691	0
Southern IL U Edwardsvlle	440	0	0	0	223	0	0	69	0	148	0
St Xavier University	36	0	0	0	0	0	0	36	0	0	0
U of IL Chicago	81,907	0	100	1,494	3,720	1,586	865	62,046	600	11,246	250
U of IL Springfield	17	0	0	0	0	0	0	0	0	17	0
U of IL Univ Admin	10,655	241	264	0	156	8,609	93	1,292	0	0	0
U of IL Urbana-Champaign	164,211	23,198	282	24,082	1,096	3,435	2,571	30,545	4,609	72,396	1,997
University of Chicago	131,803	263	0	1,840	426	3,092	197	96,714	3,959	24,547	765
W M Scholl Col Pod Med	100	0	0	0	0	0	0	100	0	0	0
Western Illinois U	422	51	134	8	150	0	0	0	0	79	0
William Rainey Harper Col	28	0	0	0	0	0	0	0	0	28	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Indiana, total	222,459	20,914	407	14,700	774	18,395	2,139	107,857	4,252	51,257	1,764
Ball State University	1,086	0	0	0	0	0	0	586	0	500	0
De Pauw University	80	0	0	0	0	0	0	0	0	80	0
Earlham College	24	0	0	0	0	0	0	0	0	24	0
Indiana State U All Camp	627	0	0	0	0	0	0	245	75	307	0
Indiana U	112,683	288	100	1,049	622	4,514	230	83,676	1,097	20,965	142
Indiana Wesleyan U	58	0	0	0	0	0	0	58	0	0	0
Manchester College	10	0	0	0	0	0	0	0	10	0	0
Natl Cnsrtm Grad Eng Min	1,331	0	0	0	0	0	1,000	0	331	0	0
Purdue University	86,074	20,626	230	10,917	152	8,882	909	19,028	2,248	21,460	1,622
Rose-Hulman Inst of Tech	253	0	0	0	0	0	0	0	0	253	0
Taylor University	50	0	0	0	0	0	0	0	50	0	0
University of Evansville	19	0	0	0	0	0	0	19	0	0	0
University of Notre Dame	19,794	0	77	2,734	0	4,837	0	4,201	441	7,504	0
Valparaiso University	214	0	0	0	0	162	0	44	0	8	0
Wabash College	156	0	0	0	0	0	0	0	0	156	0
Iowa, total	184,724	26,836	2,550	5,063	1,585	6,144	2,009	112,983	9,548	17,092	914
Coe College	156	0	0	0	0	0	0	0	0	156	0
Cornell College	21	0	0	0	0	0	0	0	0	21	0
Drake University	575	0	0	0	395	0	0	85	25	70	0
Eastern Iowa CC	15	0	0	0	0	0	15	0	0	0	0
Graceland College	22	0	0	0	0	0	0	22	0	0	0
Grinnell College	666	0	0	0	0	0	0	0	0	666	0
Hawkeye Community College	400	0	0	0	0	0	0	0	0	400	0
Iowa State University	54,739	26,644	2,490	827	101	4,177	1,173	9,088	1,407	8,505	327
Kirkwood CC	350	0	0	0	0	0	0	350	0	0	0
Loras College	4	0	0	0	0	0	0	0	0	4	0
Luther College	10	0	0	0	0	0	0	0	0	10	0
Maharishi U of Mgmt	875	0	0	0	0	0	0	875	0	0	0
Palmer Col Chiropractic	629	0	0	0	0	0	0	629	0	0	0
University of Iowa	123,427	5	60	4,236	232	1,967	0	101,384	8,096	6,860	587
University of N Iowa	2,814	187	0	0	857	0	821	550	20	379	0
Wartburg College	21	0	0	0	0	0	0	0	0	21	0
Kansas, total	101,723	13,571	733	5,519	9,708	4,185	4,162	43,160	4,552	15,298	835
Cloud County CC	14	0	0	0	0	0	0	0	0	14	0
Emporia State University	303	0	0	0	286	0	0	0	0	16	1
Fort Hays State U	39	0	0	0	0	0	0	39	0	0	0
Haskell Indian Nations U	94	94	0	0	0	0	0	0	0	0	0
Kansas State University	34,317	13,477	0	2,064	223	3,651	3,520	4,179	836	5,789	578
Pittsburg St U (Pittsbrg)	71	0	0	0	0	0	0	18	0	53	0
University of Kansas	62,404	0	683	3,128	8,708	414	642	37,726	2,002	8,845	256
Wichita State University	4,481	0	50	327	491	120	0	1,198	1,714	581	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Kentucky, total	95,886	21,840	245	3,270	2,383	2,946	1,359	51,064	1,825	10,640	314
Berea College	100	0	0	0	0	0	0	0	0	100	0
Eastern Kentucky U	100	0	100	0	0	0	0	0	0	0	0
Kentucky State University	5,201	5,153	0	48	0	0	0	0	0	0	0
Midway College	24	0	0	0	0	0	0	24	0	0	0
Morehead State University	232	0	0	0	165	0	0	34	0	33	0
Murray State University	365	1	25	0	0	0	0	203	0	136	0
Northern Kentucky U	188	0	0	0	0	0	0	0	0	188	0
Spalding University	353	0	0	0	0	0	0	353	0	0	0
U of Kentucky All Cmp	74,704	16,681	0	2,201	1,966	2,713	859	40,246	661	9,156	221
U of Louisville	12,341	0	0	667	0	233	0	10,161	340	915	25
Western Kentucky U	2,278	5	120	354	252	0	500	43	824	112	68
Louisiana, total	161,415	22,277	2,522	28,021	1,858	8,250	7,458	65,114	5,371	16,200	4,344
Dillard University	24	0	0	0	24	0	0	0	0	0	0
Grambling State U	1,065	0	0	436	132	0	66	401	0	0	30
LA St U All Campuses	90,839	17,709	155	20,293	427	2,185	4,992	32,708	2,976	5,531	3,863
LA St U System Office	528	40	55	433	0	0	0	0	0	0	0
LA U Marine Consortium	265	0	0	265	0	0	0	0	0	0	0
Louisiana Tech University	2,581	190	0	1,003	100	0	0	0	0	1,288	0
McNeese State University	1,268	0	0	0	0	0	1,268	0	0	0	0
Nicholls State University	550	0	550	0	0	0	0	0	0	0	0
Northwestern St U (Natch)	410	0	0	0	0	0	0	410	0	0	0
Southeast College of Tech	48	0	0	0	0	48	0	0	0	0	0
Southeastern Louisiana U	405	0	0	0	299	20	0	15	0	71	0
Southern U A&M All Cmp	11,932	4,015	0	1,034	753	405	962	1,456	1,391	1,916	0
Tulane University	41,318	289	0	4,226	123	5,098	99	28,138	466	2,683	196
U of Louisiana Lafayette	4,708	34	1,662	230	0	396	0	1,008	174	949	255
U of Louisiana at Monroe	257	0	0	0	0	0	0	257	0	0	0
Xavier U of Louisiana	5,217	0	100	101	0	98	71	721	364	3,762	0
Maine, total	23,886	7,326	2,505	3,357	545	73	779	2,870	1,068	5,063	300
Bates College	445	0	0	0	0	0	0	98	0	347	0
Bowdoin College	155	0	0	0	0	0	0	33	0	122	0
Central Maine Tech Col	34	0	0	0	0	0	0	34	0	0	0
Colby College	729	0	0	15	0	0	0	111	0	603	0
College of the Atlantic	50	0	0	0	0	0	50	0	0	0	0
Husson College	424	0	0	0	0	0	0	424	0	0	0
U of Maine	20,121	7,326	2,406	3,342	451	73	729	760	1,048	3,686	300
U of Maine Farmington	44	0	0	0	0	0	0	0	0	44	0
U of New England	564	0	0	0	0	0	0	455	20	89	0
U of Southern Maine	1,320	0	99	0	94	0	0	955	0	172	0
Maryland, total	992,768	14,363	8,017	314,636	3,787	11,586	6,381	423,224	136,102	57,293	17,379
Allegany Col of MD	5	0	0	0	0	0	0	0	0	5	0
Bowie State University	3,385	0	0	99	0	0	0	38	3,013	235	0
Capitol College	72	0	0	0	0	0	0	0	72	0	0
Charles County CC	20	0	0	0	0	0	0	0	20	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Maryland, continued:											
Cmty Col Baltimore Catons	594	0	0	0	0	0	0	30	0	564	0
Coppin State College	568	0	0	0	568	0	0	0	0	0	0
Frostburg State U	256	0	0	0	256	0	0	0	0	0	0
Goucher College	4	0	0	0	0	0	0	0	0	4	0
Hood College	28	0	0	0	0	0	0	0	0	28	0
Johns Hopkins University	744,925	927	404	293,258	864	3,411	2,269	320,286	90,725	17,530	15,251
Loyola College	495	0	0	20	0	0	0	0	0	475	0
Montgomery Col All Cmp	4	0	4	0	0	0	0	0	0	0	0
Morgan State University	11,494	0	99	1,046	0	0	181	2,133	1,595	5,940	500
Prince Georges CC	368	2	0	0	0	0	0	0	0	366	0
Salisbury State U	43	0	0	0	0	0	0	17	0	26	0
St Mary's Col of MD	59	27	0	0	0	0	0	0	0	32	0
Towson University	843	0	0	0	0	0	0	0	15	828	0
U Sys of MD Headquarters	5,438	0	1,400	2,375	1,570	0	0	93	0	0	0
U of Baltimore	150	0	0	150	0	0	0	0	0	0	0
U of MD Baltimore	84,641	142	174	776	0	147	121	82,217	0	894	170
U of MD Baltimore County	13,281	12	0	1,524	251	0	0	4,008	4,726	2,760	0
U of MD Biotech Inst	2,641	0	354	0	0	100	0	0	96	2,091	0
U of MD College Park	107,634	9,935	4,657	10,688	215	7,878	435	14,402	35,689	22,422	1,313
U of MD Ctr for Env Sci	7,146	140	17	1,490	0	0	3,375	0	0	2,024	100
U of MD Eastern Shore	5,661	2,958	908	780	63	50	0	0	86	816	0
U of MD University Col	2,760	220	0	2,430	0	0	0	0	65	0	45
US Naval Academy	144	0	0	0	0	0	0	0	0	144	0
Washington College	32	0	0	0	0	0	0	0	0	32	0
Western Maryland College	77	0	0	0	0	0	0	0	0	77	0
Massachusetts, total	939,126	10,098	1,810	115,193	7,353	82,338	5,434	489,859	45,750	173,439	7,852
Amherst College	988	0	0	0	0	0	0	130	0	858	0
Assumption College	480	0	0	0	480	0	0	0	0	0	0
Bentley College	44	0	0	0	0	0	0	0	0	44	0
Boston College	13,256	0	0	3,184	476	395	0	4,180	212	3,505	1,304
Boston University	134,423	190	312	12,701	1,576	4,172	2,736	93,641	5,100	13,985	10
Brandeis University	24,257	0	0	506	0	1,177	0	18,676	427	3,459	12
Bristol Community College	43	0	0	0	0	0	0	0	0	43	0
Cape Cod CC	232	0	0	0	0	0	0	0	0	232	0
Clark University	3,277	10	0	105	0	265	511	416	286	1,684	0
Col of Our Lady of Elms	4	0	0	0	0	0	0	0	0	4	0
Col of the Holy Cross	110	0	0	0	0	0	0	0	0	110	0
Five Colleges Inc	24	0	0	0	0	0	0	0	24	0	0
Hampshire College	150	0	0	0	0	0	0	0	0	150	0
Harvard University	255,237	817	172	11,420	2,672	6,598	1,091	196,604	5,639	26,140	4,084
Holyoke Community College	214	0	0	0	214	0	0	0	0	0	0
MA Bay Community College	69	0	0	0	0	0	0	0	0	69	0
MA Inst of Technology	262,156	0	384	58,477	0	64,415	0	62,577	28,941	46,225	1,137
MGH Inst Hlth Professions	108	0	0	0	108	0	0	0	0	0	0
Merrimack College	75	0	0	0	0	0	0	75	0	0	0
Mount Holyoke College	1,075	0	0	0	0	85	0	37	118	835	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Massachusetts, continued:											
Mount Wachusett CC	200	0	0	0	0	0	0	0	0	200	0
New Eng Col of Optometry	944	0	0	0	0	0	0	944	0	0	0
Northeastern University	21,214	0	0	5,588	114	607	0	5,617	1,330	7,949	9
Radcliffe College	406	0	0	203	0	0	0	195	0	8	0
Regis Col (Weston)	56	0	0	0	0	0	0	56	0	0	0
Simmons College	1,431	0	0	0	480	0	0	951	0	0	0
Smith College	772	0	0	3	0	0	0	603	0	166	0
Springfield Col (Sprgfld)	328	0	0	0	190	0	0	114	0	24	0
Springfield Tech CC	1,258	0	0	0	223	0	0	0	0	1,035	0
Stonehill College	99	0	0	0	0	0	0	0	0	99	0
Suffolk University	100	0	0	0	0	0	0	0	0	100	0
Tufts University	45,416	261	152	933	0	1,493	513	37,969	437	2,858	800
U of MA Amherst	42,335	7,728	299	2,995	160	2,070	43	8,919	1,028	18,831	262
U of MA Boston	6,305	16	72	2,194	660	120	126	2,151	0	966	0
U of MA Central Office	142	142	0	0	0	0	0	0	0	0	0
U of MA Dartmouth	1,378	757	87	100	0	0	0	109	325	0	0
U of MA Lowell	5,359	0	0	1,878	0	301	340	1,753	0	1,087	0
U of MA Worcester	54,936	0	0	901	0	0	0	53,160	629	246	0
Wellesley College	1,931	0	0	0	0	0	0	557	61	1,313	0
Wentworth Inst of Tech	664	0	0	664	0	0	0	0	0	0	0
Wheelock College	76	0	0	0	0	0	0	0	0	76	0
Williams College	1,397	0	0	0	0	0	0	298	0	1,099	0
Woods Hole Ocean Inst	52,865	0	332	13,095	0	284	74	26	1,022	37,903	129
Worcester Polytech Inst	3,292	177	0	246	0	356	0	101	171	2,136	105
Michigan, total	510,168	26,620	6,931	34,000	7,511	17,435	15,571	290,378	12,868	94,999	3,855
Albion College	146	0	0	0	0	0	0	0	0	146	0
Alma College	62	0	0	0	0	0	0	0	0	62	0
Alpena Community College	750	0	750	0	0	0	0	0	0	0	0
Andrews University	85	0	0	0	0	0	0	0	0	85	0
Bay Mills CC	61	61	0	0	0	0	0	0	0	0	0
Calvin College	320	0	0	0	0	0	0	156	0	164	0
Central Michigan U	303	0	0	0	0	0	0	68	0	235	0
Cnsrtm Intl Erth Sci Info	2,111	0	0	0	0	0	0	0	2,111	0	0
Cranbrook Acad of Art	251	0	0	0	251	0	0	0	0	0	0
Eastern Michigan U	628	0	0	0	0	0	0	88	0	515	25
Ferris State University	250	0	0	0	0	0	250	0	0	0	0
Grand Valley State U	512	12	0	0	251	0	0	124	3	122	0
Henry Ford CC	300	0	0	0	0	0	0	0	0	300	0
Hope College	950	0	0	0	0	0	0	0	0	950	0
Kalamazoo College	165	0	0	0	0	0	0	101	0	64	0
Kettering University	190	0	0	0	0	0	0	0	55	135	0
Lawrence Technological U	121	0	0	0	0	0	0	0	0	121	0
Michigan State University	96,979	25,074	100	3,674	783	5,096	1,748	22,647	3,643	33,739	475
Michigan Tech University	13,132	734	159	1,497	0	2,646	2,263	148	924	4,660	101
Northern Michigan U	304	0	0	0	251	0	0	25	0	28	0
Northwestern Michigan Col	14	14	0	0	0	0	0	0	0	0	0
Oakland University	3,023	0	0	50	0	0	0	2,310	0	663	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Michigan, continued:											
Siena Heights University	50	50	0	0	0	0	0	0	0	0	0
U of Detroit Mercy	586	0	0	190	0	0	30	205	0	161	0
U of Michigan	314,670	675	5,922	24,437	3,994	8,361	10,590	210,486	5,870	41,086	3,249
Wayne State University	66,983	0	0	4,117	995	780	605	53,039	212	7,230	5
Western Michigan U	7,222	0	0	35	986	552	85	981	50	4,533	0
Minnesota, total	230,314	20,192	778	15,577	1,530	6,870	1,890	141,731	3,877	37,057	812
Augsburg College	772	0	0	0	0	0	0	0	0	772	0
Bemidji State University	53	0	0	0	0	0	0	0	0	53	0
Carleton College	343	0	0	0	0	0	0	96	0	247	0
College of St Benedict	490	0	0	490	0	0	0	0	0	0	0
College of St Scholastica	119	0	0	0	0	0	0	119	0	0	0
Concordia Col Moorhead	12	0	0	0	0	0	0	0	3	9	0
Fond du Lac Tribal & CC	237	237	0	0	0	0	0	0	0	0	0
Gustavus Adolphus College	188	0	0	0	0	0	0	0	0	188	0
Leech Lake Tribal College	79	60	0	0	0	0	0	0	0	19	0
Macalester College	208	0	0	0	0	0	0	83	0	125	0
Mesabi Range Cmty&Tech	261	0	0	0	0	0	0	0	0	261	0
Minnesota St Cols & U	33	0	0	0	0	0	33	0	0	0	0
Minnesota State U-Mankato	318	0	0	0	110	0	0	163	0	45	0
Moorhead State University	36	6	0	0	0	0	0	0	30	0	0
St Cloud State University	288	0	100	0	0	0	0	0	43	145	0
St Mary's U of Minnesota	151	0	0	0	0	0	0	62	0	38	51
St Olaf College	451	0	0	0	0	0	0	0	0	451	0
U of Minnesota	225,997	19,889	678	15,087	1,420	6,870	1,857	141,164	3,746	34,525	761
U of St Thomas (St Paul)	179	0	0	0	0	0	0	0	0	179	0
Winona State University	99	0	0	0	0	0	0	44	55	0	0
Mississippi, total	98,356	31,093	5,210	11,428	1,584	7,779	323	17,042	12,892	10,204	801
Alcorn State University	5,418	4,252	0	0	26	0	0	857	283	0	0
Delta State University	42	42	0	0	0	0	0	0	0	0	0
Gulf Coast Ed Intv Cnsrtm	100	0	0	0	0	0	0	0	100	0	0
Hinds CC Raymond	45	0	0	0	45	0	0	0	0	0	0
Holmes Community College	5	0	0	0	0	0	0	0	0	5	0
Jackson State University	8,757	10	7	579	337	160	0	5,141	518	2,005	0
Jones County Junior Col	351	0	0	0	0	0	0	0	0	351	0
Millsaps College	130	0	0	0	0	0	0	105	0	25	0
Mississippi AL Sea Grant	364	0	364	0	0	0	0	0	0	0	0
Mississippi College	73	0	0	0	0	0	0	0	0	73	0
Mississippi Rsch Cnstrm	3,761	0	0	0	0	0	0	0	3,761	0	0
Mississippi State U	50,773	23,315	100	5,327	1,176	6,648	207	481	7,183	5,925	411
Mississippi U for Women	52	0	0	0	0	0	0	52	0	0	0
Mississippi Valley St U	867	565	90	0	0	0	0	0	212	0	0
Rust College	210	0	0	50	0	0	0	160	0	0	0
Tougaloo College	586	0	0	0	0	0	0	586	0	0	0
U of Mississippi	16,456	2,099	0	2,516	0	673	0	9,366	451	971	380
U of Southern Mississippi	10,366	810	4,649	2,956	0	298	116	294	384	849	10

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Missouri, total	341,020	24,726	1,114	10,592	4,863	4,373	2,991	257,803	5,382	28,134	1,042
Avila College	139	0	0	0	0	0	0	0	0	139	0
Central Missouri St U	48	48	0	0	0	0	0	0	0	0	0
Columbia Col (Columbia)	50	0	0	0	0	0	0	0	0	50	0
Cottey College	54	0	0	0	0	0	0	0	0	54	0
Crowder College	223	0	0	0	223	0	0	0	0	0	0
Drury College	228	0	0	0	0	0	0	0	0	228	0
Kirksville Col Osteo Med	420	50	0	0	0	0	0	370	0	0	0
Lincoln U (Jeffersn City)	5,498	5,268	0	0	0	0	0	180	0	0	50
Missouri Western St Col	46	0	0	0	0	0	0	0	0	46	0
Northwest Missouri St U	269	0	0	0	269	0	0	0	0	0	0
Southeast Missouri St U	486	44	0	0	0	0	0	264	0	178	0
Southwest Missouri St U	248	0	0	101	0	0	0	0	0	147	0
St Louis University	23,742	0	0	134	454	0	0	22,784	68	302	0
Three Rivers CC	51	0	0	0	0	0	0	0	0	51	0
Truman State University	40	0	5	0	0	0	0	0	0	35	0
U of Missouri Columbia	64,594	18,937	1,068	1,899	2,274	1,293	2,664	23,192	708	11,584	975
U of Missouri Kansas City	7,496	0	0	904	0	151	0	6,038	0	403	0
U of Missouri Rolla	6,269	0	0	1,489	0	789	27	255	710	2,999	0
U of Missouri St Louis	4,415	0	0	575	0	0	0	2,900	19	921	0
U of Missouri Sys Admin	1,915	105	0	18	1,643	0	0	149	0	0	0
Washington University	224,755	274	41	5,472	0	2,140	300	201,671	3,877	10,963	17
Webster University	34	0	0	0	0	0	0	0	0	34	0
Montana, total	47,224	9,482	5,499	4,541	2,394	985	962	7,006	2,530	12,535	1,290
Blackfeet CC	65	65	0	0	0	0	0	0	0	0	0
Carroll College (Helena)	9	9	0	0	0	0	0	0	0	0	0
Dull Knife Memorial Col	60	60	0	0	0	0	0	0	0	0	0
Flathead Valley CC	13	0	0	0	0	0	0	0	0	13	0
Fort Belknap College	60	60	0	0	0	0	0	0	0	0	0
Fort Peck CC	350	64	0	0	286	0	0	0	0	0	0
Little Big Horn College	261	61	0	0	200	0	0	0	0	0	0
Montana State U Billings	9,482	52	0	0	105	110	0	0	0	8,934	281
Montana State U Bozeman	23,835	7,678	5,499	3,352	142	50	642	4,590	1,451	0	431
Montana State U Northern	223	0	0	0	223	0	0	0	0	0	0
Montana Tech of U of MT	858	0	0	283	0	75	246	254	0	0	0
Montana U Sys-Sys Off	228	0	0	0	0	0	0	0	0	228	0
Salish Kootenai College	1,711	102	0	0	102	0	0	303	0	1,204	0
Stone Child College	572	264	0	0	308	0	0	0	0	0	0
U of Montana, The	9,497	1,067	0	906	1,028	750	74	1,859	1,079	2,156	578
Nebraska, total	66,331	16,403	195	4,460	861	705	0	25,259	2,342	12,736	3,370
Creighton University	4,616	250	100	115	240	143	0	3,613	0	155	0
Nebraska Indian CC	61	61	0	0	0	0	0	0	0	0	0
Peru State College	10	0	0	0	0	0	0	0	0	10	0
U of Nebraska Ctrl Admin	1,114	166	0	0	621	327	0	0	0	0	0
U of Nebraska Kearney	14	0	0	0	0	0	0	0	14	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Nebraska, continued:											
U of Nebraska Lincoln	40,563	15,926	95	3,108	0	0	0	4,263	1,557	12,330	3,284
U of Nebraska Med Ctr	18,162	0	0	616	0	0	0	17,365	0	181	0
U of Nebraska Omaha	1,791	0	0	621	0	235	0	18	771	60	86
Nevada, total	36,607	4,066	2,899	1,559	112	5,903	1,504	9,891	869	8,615	1,189
Community Col S Nevada	120	0	0	120	0	0	0	0	0	0	0
Desert Research Institute	5,826	35	0	630	0	1,931	0	0	364	2,859	7
U & CC Sys of NV SO	6,026	23	2,789	264	0	1,375	190	0	0	1,155	230
U of Nevada Las Vegas	5,978	553	0	200	0	1,590	330	295	308	2,413	289
U of Nevada Reno	18,657	3,455	110	345	112	1,007	984	9,596	197	2,188	663
New Hampshire, total	78,832	4,211	2,747	6,103	318	739	1,041	37,529	10,760	12,417	2,967
Dartmouth College	47,529	30	450	2,783	0	130	1,041	34,801	1,299	6,995	0
Rivier College	14	0	0	0	0	0	0	14	0	0	0
U System of NH Sys Off	3,638	0	0	3,320	318	0	0	0	0	0	0
U of NH Durham	27,564	4,163	2,297	0	0	540	0	2,714	9,461	5,422	2,967
U of NH Keene St Col	3	3	0	0	0	0	0	0	0	0	0
U of NH at Manchester	84	15	0	0	0	69	0	0	0	0	0
New Jersey, total	256,808	11,233	4,858	25,490	1,175	17,496	6,969	107,611	10,208	70,304	1,464
Burlington County College	160	0	0	160	0	0	0	0	0	0	0
College of N Jersey, The	1,266	0	0	0	0	0	0	26	0	1,240	0
Drew University	196	0	0	0	0	0	0	117	0	79	0
Felician College NJ	20	0	0	0	0	0	0	20	0	0	0
Kean University	188	0	0	0	152	0	0	36	0	0	0
Mercer County CC	16	0	0	0	0	0	0	0	0	16	0
Middlesex County College	811	0	0	0	0	0	0	0	0	811	0
Monmouth University	46	0	0	0	0	0	0	0	0	46	0
Montclair St University	1,050	0	0	0	0	0	0	186	0	864	0
New Jersey City U	1,110	0	0	0	292	0	0	818	0	0	0
New Jersey Inst of Tech	9,729	0	0	504	258	209	4,277	0	533	3,438	510
Passaic County CC	11	0	0	0	0	0	0	0	0	11	0
Princeton University	85,097	0	1,819	13,216	0	8,198	64	23,131	6,111	32,491	67
Ramapo College of NJ	523	0	0	0	223	0	0	0	0	300	0
Richard Stockton Col NJ	8	0	0	0	0	0	8	0	0	0	0
Rider University	278	0	0	0	0	0	0	206	0	72	0
Rowan University	435	0	0	0	0	0	0	0	107	328	0
Rutgers St U of NJ	85,987	11,233	2,921	8,563	0	4,684	575	26,544	2,849	28,488	130
Salem Community College	26	0	0	0	0	0	0	0	0	26	0
Seton Hall University	503	0	0	0	0	0	0	503	0	0	0
Stevens Institute of Tech	4,510	0	118	2,689	0	90	0	0	265	1,348	0
U of Med & Dent of NJ	64,763	0	0	358	250	4,315	2,045	56,024	343	671	757
William Paterson U of NJ	75	0	0	0	0	0	0	0	0	75	0
New Mexico, total	141,869	9,086	200	25,191	1,581	10,027	3,243	36,401	35,653	19,194	1,293
College of Santa Fe	130	0	0	0	0	0	0	0	130	0	0
Eastern NM U	50	0	0	0	0	0	0	0	50	0	0
Inst Ind AK Culture & Art	58	58	0	0	0	0	0	0	0	0	0
Luna Vocation Tech Inst	65	0	0	0	0	65	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
New Mexico, continued:											
New Mexico Highlands U	9,513	0	0	807	100	3,193	6	753	2,354	2,300	0
New Mexico Inst Mining	6,538	0	0	3,470	0	1,369	25	107	101	1,466	0
New Mexico St U	52,866	8,363	100	6,165	255	986	100	1,624	26,560	7,792	921
Northern New Mexico CC	270	270	0	0	0	0	0	0	0	0	0
Santa Fe CC (Sante Fe NM)	293	293	0	0	0	0	0	0	0	0	0
Southwestrn Indian Poly	76	76	0	0	0	0	0	0	0	0	0
U of New Mexico	71,889	26	100	14,662	1,226	4,414	3,112	33,917	6,458	7,602	372
Western New Mexico U	121	0	0	87	0	0	0	0	0	34	0
New York, total	1,275,168	31,098	8,159	64,395	14,637	63,580	5,272	844,982	31,252	208,684	3,109
Adelphi University	29	0	0	0	0	0	0	25	0	4	0
Albany Col of Pharmacy	682	0	0	0	0	0	0	668	0	14	0
Albany Medical College	7,741	0	0	320	0	0	0	7,321	0	100	0
Alfred University	2,027	0	69	939	155	596	0	110	0	158	0
Bank Street Col of Ed	238	0	0	0	238	0	0	0	0	0	0
Barnard College	1,705	0	0	120	0	0	0	685	36	864	0
CUNY Bernard Baruch Col	433	0	0	181	0	0	0	154	0	98	0
CUNY Boro of Manhattan CC	140	0	0	0	0	0	0	0	0	140	0
CUNY Bronx CC	538	220	0	0	0	0	0	318	0	0	0
CUNY Brooklyn College	4,219	0	0	621	215	0	0	736	130	2,517	0
CUNY City College	13,799	0	0	687	0	991	0	4,560	3,216	4,345	0
CUNY Col Staten Island	710	0	0	0	0	0	0	565	0	145	0
CUNY Grad Schl & U Ctr	3,799	0	0	0	2,347	0	0	1,138	0	314	0
CUNY Herbert H Lehman Col	1,416	0	0	0	0	40	0	858	100	418	0
CUNY Hostos CC	48	0	0	0	0	48	0	0	0	0	0
CUNY Hunter College	6,857	0	0	399	378	198	0	5,009	112	763	0
CUNY J Jay Col Crim Just	619	0	0	0	0	0	0	619	0	0	0
CUNY Laguardia CC	587	0	0	0	0	0	0	512	75	0	0
CUNY Medgar Evers College	132	0	0	0	0	0	0	32	100	0	0
CUNY Mt Sinai Schl of Med	84,342	0	0	628	1,466	113	0	81,372	763	0	0
CUNY NY City Tech Col	345	0	0	0	0	0	0	345	0	0	0
CUNY Queens College	2,247	0	0	80	0	0	0	1,696	0	471	0
CUNY Queensboro CC	409	0	0	0	0	0	0	0	0	409	0
CUNY System Office	9,325	10	0	551	0	0	0	0	50	8,090	624
CUNY York College	1,669	0	0	64	0	0	0	1,605	0	0	0
Canisius College	26	0	0	0	0	0	0	0	0	26	0
Christ the King Seminary	20	0	0	0	0	0	0	0	0	20	0
Clarkson University	4,655	0	0	706	0	45	127	457	422	2,623	275
Colgate University	825	0	0	0	0	0	0	0	0	825	0
College of Mt St Vincent	22	0	0	0	0	0	0	22	0	0	0
College of New Rochelle	33	0	0	0	0	0	0	33	0	0	0
Columbia U Central Off	6,641	0	5,722	479	0	276	0	0	0	0	164
Columbia U City New York	237,429	0	0	7,894	0	8,252	212	174,445	11,565	34,897	164
Cornell University	230,408	29,631	289	15,849	350	4,309	567	105,596	5,199	67,899	719
D'Youville College	45	0	0	0	0	0	0	40	0	5	0
Dowling College	64	0	0	0	0	0	0	0	0	64	0
Fordham University	1,681	0	0	0	195	0	0	1,051	0	435	0
Hamilton College	133	0	0	0	0	0	0	103	0	30	0
Hofstra University	891	0	0	176	200	0	0	26	125	364	0

See explanatory information, if any, and SOURCE at end of table.

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Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
New York, continued:											
Iona College	99	0	0	0	0	0	0	0	11	88	0
Ithaca College	1,719	0	0	0	0	0	0	166	0	1,553	0
Long Island University	987	0	0	269	0	0	0	665	0	53	0
Manhattan College	3	0	0	0	0	0	0	0	0	3	0
Marist College	566	0	0	0	0	0	0	0	0	566	0
Marymount Col (Tarrytown)	32	0	0	0	0	0	0	32	0	0	0
Mater Dei College	20	0	0	0	0	0	0	0	0	20	0
Mercy Col (Dobbs Ferry)	193	0	0	0	0	0	0	101	0	92	0
NY Inst of Tech	399	0	0	303	0	0	0	0	0	96	0
NY Medical College	12,856	0	0	0	0	0	0	12,638	0	219	0
NY University	110,524	120	549	5,015	548	2,816	2,439	89,500	383	9,077	77
New School University	547	0	0	0	0	0	0	480	0	67	0
Niagara University	124	0	0	0	0	0	0	124	0	0	0
Pace University	537	0	0	0	0	200	0	337	0	0	0
Paul Smiths Col Arts Sci	9	9	0	0	0	0	0	0	0	0	0
Polytechnic University	2,366	0	22	259	0	155	0	0	123	1,806	0
Rensselaer Polytech Inst	19,462	0	151	4,193	0	2,176	696	781	2,060	9,140	263
Rochester Business Inst	11	0	11	0	0	0	0	0	0	0	0
Rochester Inst Technology	1,873	0	0	230	105	0	0	1,245	410	83	0
Rockefeller University	45,441	0	0	324	0	933	0	43,587	0	597	0
Russell Sage College	89	0	0	0	0	0	0	89	0	0	0
SUNY Cayuga County CC	450	0	0	0	0	0	0	0	450	0	0
SUNY Col Brockport	43	0	0	0	0	0	0	0	0	43	0
SUNY Col Buffalo	1,995	0	8	965	0	813	0	0	176	36	0
SUNY Col Cortland	260	0	0	0	0	0	0	0	0	260	0
SUNY Col Env Sci & Forest	996	560	0	0	0	0	0	188	50	198	0
SUNY Col Fredonia	44	0	0	0	0	0	0	0	0	44	0
SUNY Col Geneseo	101	0	0	0	0	38	0	0	0	63	0
SUNY Col Old Westbury	807	0	0	0	0	0	0	791	0	16	0
SUNY Col Oswego	422	0	0	0	0	0	0	196	0	226	0
SUNY Col Plattsburgh	93	0	93	0	0	0	0	0	0	0	0
SUNY Col Potsdam	20	0	0	0	0	0	0	0	0	20	0
SUNY Col of Optometry	987	0	0	0	0	0	0	987	0	0	0
SUNY Hlth Sci Ctr Brklyn	19,330	0	0	0	0	0	0	19,150	0	180	0
SUNY Monroe CC	27	0	0	0	0	0	0	0	0	27	0
SUNY Purchase Col	185	0	0	0	0	0	0	0	185	0	0
SUNY System Office	7,093	20	0	1,341	5,123	289	0	0	0	320	0
SUNY Upstate Medical Univ	12,033	0	0	0	0	0	0	9,701	0	277	55
SUNY at Albany	20,214	102	0	229	2,500	1,101	394	10,265	1,446	3,469	708
SUNY at Binghamton	9,819	50	1,046	5,680	0	126	96	1,793	0	1,027	2
SUNY at Buffalo	36,061	100	0	680	0	35	0	24,091	239	9,916	0
SUNY at New Paltz	113	0	0	0	0	0	0	27	0	86	0
SUNY at Stony Brook	83,338	226	196	4,548	0	6,754	739	45,370	2,451	23,045	10
Siena College (Loudnvl	180	0	0	0	0	0	0	0	0	180	0
Skidmore College	78	0	0	0	0	0	0	0	0	78	0
St John Fisher College	5	0	0	0	0	0	0	5	0	0	0
St Johns University, NY	1,469	0	0	0	160	0	0	1,160	0	149	0

See explanation information, Many, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
New York, continued:											
St Lawrence University	50	0	0	0	0	0	0	0	0	50	0
Syracuse University	17,557	0	0	3,907	433	541	0	5,924	486	6,216	50
Teachers Col Columbia U	1,864	0	0	0	74	0	0	1,097	0	693	0
US Military Academy	38	0	0	0	0	0	0	0	0	38	0
Union Col (Schenectady)	791	50	7	0	0	0	0	10	0	724	0
University of Rochester	136,111	0	0	6,482	150	32,737	0	85,102	856	10,784	0
Vassar College	217	0	0	96	0	0	0	89	0	32	0
Wagner College	26	0	0	0	0	0	0	26	0	0	0
Yeshiva University NY	100,569	0	0	180	0	0	0	99,394	33	962	0
North Carolina, total	603,062	35,884	6,743	52,067	15,044	11,136	14,997	393,380	10,285	51,067	12,459
Appalachian St University	401	0	12	0	174	0	5	0	0	210	0
Barber Scotia College	149	0	0	0	149	0	0	0	0	0	0
Bennett Col (Greensboro)	545	0	0	151	0	0	0	394	0	0	0
Campbell University	90	0	0	0	0	0	0	90	0	0	0
Central Piedmont CC	247	0	0	0	247	0	0	0	0	0	0
Davidson College	528	0	0	0	0	0	0	0	0	528	0
Duke University	211,793	1,000	193	20,608	1,025	6,121	1,429	162,822	1,351	16,979	265
East Carolina University	5,437	80	0	526	311	0	0	3,974	0	546	0
Elizabeth City State U	1,353	0	0	344	124	423	0	92	339	31	0
Fayetteville State U	1,124	0	0	77	47	25	0	197	542	236	0
Guilford College	60	0	0	0	0	0	0	0	0	60	0
Johnson C Smith U	844	0	0	120	223	0	20	481	0	0	0
Livingstone College	113	0	0	83	30	0	0	0	0	0	0
Mars Hill College	25	0	25	0	0	0	0	0	0	0	0
NC Ag & Tech State U	15,849	6,304	0	1,590	136	200	28	418	3,380	3,793	0
NC Central University	910	58	0	50	166	0	21	595	0	20	0
NC State U	79,368	27,586	4,097	15,472	854	2,817	3,924	8,269	2,733	11,553	2,063
Piedmont CC	300	0	0	0	0	0	0	0	0	300	0
Shaw University	390	50	0	0	0	0	140	0	200	0	0
Southeastrn CC (Whitevl)	300	0	300	0	0	0	0	0	0	0	0
St Augustines College	218	0	0	0	0	0	0	118	100	0	0
U of NC Asheville	83	2	0	0	0	50	0	0	0	31	0
U of NC Chapel Hill	207,368	370	114	11,065	5,962	1,500	9,424	155,497	1,359	12,669	9,408
U of NC Charlotte	3,712	0	233	978	919	0	0	580	55	947	0
U of NC General Admin Off	10	0	0	0	0	0	0	0	0	0	10
U of NC Greensboro	5,416	100	0	59	4,028	0	0	569	0	660	0
U of NC Pembroke	176	4	0	0	0	0	0	172	0	0	0
U of NC Wilmington	3,131	142	1,654	154	0	0	0	150	30	798	203
Wake Forest University	60,836	175	0	790	0	0	6	57,821	148	1,396	500
Western Carolina U	984	13	115	0	586	0	0	0	0	260	10
Winston Salem State U	1,302	0	0	0	63	0	0	1,141	48	50	0
North Dakota, total	34,853	11,362	846	1,535	364	6,360	1,100	3,685	3,064	5,972	565
Bismarck State College	27	0	0	0	0	0	0	0	0	27	0
Cankdeska Cikana CC	131	58	0	0	73	0	0	0	0	0	0
Fort Bethold CC	409	409	0	0	0	0	0	0	0	0	0
Jamestown College	65	0	0	0	0	0	0	0	0	0	65
Minot State University	849	0	560	0	269	0	0	0	0	20	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Corn	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
North Dakota, continued:											
North Dakota St U	15,028	9,392	286	1,535	0	72	125	972	42	2,104	500
Sitting Bull College	62	62	0	0	0	0	0	0	0	0	0
Turtle Mountain CC	2,329	70	0	0	0	0	0	0	0	2,259	0
U of North Dakota	15,832	1,308	0	0	0	6,288	975	2,677	3,022	1,562	0
United Tribes Tech Col	85	63	0	0	22	0	0	0	0	0	0
University of Mary	36	0	0	0	0	0	0	36	0	0	0
Ohio, total	427,418	21,228	583	40,514	6,163	9,477	4,689	275,909	16,908	45,773	6,174
Antioch University	26	0	0	0	0	0	0	0	0	26	0
Baldwin Wallace College	12	0	0	0	0	0	0	0	0	12	0
Bowling Gr St U	2,680	0	81	239	354	0	0	1,150	0	856	0
Case Western Reserve U	158,882	81	17	3,615	373	808	0	145,473	3,208	5,277	30
Central State U (Wlbrfc)	64	0	0	0	64	0	0	0	0	0	0
Cleveland State U	3,783	0	100	0	0	0	0	1,305	1,786	592	0
College of Wooster	245	49	0	0	0	0	0	0	40	156	0
Cuyahoga CC	795	0	0	0	0	0	0	306	435	54	0
Denison University	364	0	0	0	0	50	0	0	15	299	0
John Carroll University	505	0	0	90	0	0	0	0	0	415	0
Kent State U	9,035	0	8	121	1,621	265	0	2,403	235	4,382	0
Kenyon College	149	0	0	0	0	0	0	0	0	149	0
Lake Erie College	35	0	0	0	0	0	0	0	0	35	0
Lakeland CC	60	0	0	0	0	0	0	0	0	60	0
Medical College of Ohio	9,040	0	0	0	0	0	90	8,771	0	179	0
Miami University All Cmp	3,878	3	22	54	0	39	78	802	111	2,649	120
Mt Vernon Nazarene Col	26	0	0	0	0	0	0	0	26	0	0
Muskingum Area Tech Col	247	0	0	0	0	0	0	0	0	247	0
Muskingum College	25	0	0	0	0	0	0	0	0	25	0
Northeastern OH U Col Med	1,323	0	0	0	0	0	0	1,323	0	0	0
Oberlin College	796	0	0	0	0	0	0	0	0	796	0
Ohio Northern University	7	0	0	0	0	0	0	0	7	0	0
Ohio State U	119,143	20,890	318	7,395	2,421	5,682	806	54,515	6,236	16,663	4,217
Ohio University	6,894	0	37	1,053	0	438	50	1,485	318	1,825	1,688
Ohio Wesleyan University	185	0	0	0	0	0	0	0	0	185	0
Otterbein College	92	0	0	0	0	0	0	17	0	75	0
Sinclair Community Col	876	0	0	0	0	0	0	0	0	876	0
Southern State CC	1	1	0	0	0	0	0	0	0	0	0
Southwstrn OH Cncl Hi Ed	1,031	0	0	1,031	0	0	0	0	0	0	0
U of Akron	4,613	0	0	118	251	622	0	488	1,176	1,958	0
U of Cincinnati	63,268	204	0	3,897	114	1,098	2,701	50,166	621	4,348	119
U of Dayton	21,295	0	0	20,552	0	0	0	0	256	487	0
U of Toledo	6,093	0	0	801	241	108	0	1,399	1,616	1,928	0
Wilberforce University	185	0	0	0	0	0	0	0	105	80	0
Wittenberg University	180	0	0	0	0	0	0	0	0	180	0
Wright State U	11,311	0	0	1,548	724	367	964	6,260	717	731	0
Xavier U (Cincinnati)	46	0	0	0	0	0	0	46	0	0	0
Youngstown State U	228	0	0	0	0	0	0	0	0	228	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Oklahoma, total	97,515	21,562	5,031	8,043	2,139	3,481	1,859	30,049	8,581	16,066	704
Carl Albert State Col	251	0	0	0	251	0	0	0	0	0	0
East Central University	1,027	10	0	0	542	0	0	475	0	0	0
Eastern Oklahoma St Col	238	238	0	0	0	0	0	0	0	0	0
Langston University	4,138	4,038	0	0	100	0	0	0	0	0	0
Murray State College	64	0	0	0	0	0	0	0	64	0	0
Northeastern State U	117	0	0	0	0	0	0	117	0	0	0
Oklahoma St U	38,751	17,239	0	4,124	302	931	336	2,331	6,997	6,224	267
Oral Roberts University	48	0	0	0	0	0	0	0	48	0	0
Rogers University	251	0	0	0	251	0	0	0	0	0	0
Southeastern OK St U	589	0	0	124	251	0	0	214	0	0	0
U of Central Oklahoma	30	5	0	0	0	0	0	0	0	25	0
U of Oklahoma	49,746	32	5,031	3,396	442	1,968	1,523	26,588	1,472	8,928	366
U of Tulsa	2,265	0	0	399	0	582	0	324	0	889	71
Oregon, total	200,106	16,565	7,437	16,654	8,961	3,802	7,118	92,598	5,569	33,702	7,700
Chemeketa CC	835	0	0	0	0	0	0	0	0	835	0
Eastern Oregon University	357	0	110	0	0	0	0	0	0	247	0
Lewis & Clark College	571	0	0	0	279	0	0	270	0	22	0
Linn Benton Community Col	200	0	0	0	0	0	0	200	0	0	0
Oregon Grad Inst Sci Tech	11,529	0	0	3,606	0	645	335	2,741	53	4,149	0
Oregon Hlth Sciences U	70,828	0	0	4,787	720	0	0	64,682	68	571	0
Oregon Institute of Tech	190	0	0	0	0	0	0	0	0	190	0
Oregon State University	73,770	16,497	5,327	6,285	241	1,229	6,515	8,786	5,249	15,963	7,678
Pacific University	20	0	0	0	0	0	0	0	0	20	0
Portland CC	50	0	0	0	0	0	0	0	0	50	0
Portland State U (OR)	6,016	0	2,000	108	1,560	0	234	1,254	11	849	0
Reed College	731	0	0	10	0	0	0	0	0	721	0
Southern Oregon U	97	0	0	0	0	0	0	0	0	97	0
University of Oregon	33,541	68	0	1,858	5,304	1,928	34	14,220	188	9,919	22
University of Portland	144	0	0	0	0	0	0	99	0	45	0
Western Oregon University	942	0	0	0	857	0	0	66	0	19	0
Western States Chiro Col	280	0	0	0	0	0	0	280	0	0	0
Willamette University	5	0	0	0	0	0	0	0	0	5	0
Pennsylvania, total	961,528	24,428	1,079	133,416	9,931	22,631	6,521	620,297	18,150	119,395	5,680
Albright College	50	0	0	0	0	0	0	0	0	50	0
Allegheny College	415	0	0	0	0	0	0	0	90	325	0
Allegheny U Hlth Sciences	37,128	0	0	808	608	0	0	34,886	0	826	0
Bloomsburg U of PA	77	1	0	0	0	0	0	0	26	50	0
Bryn Mawr College	908	0	5	25	0	0	0	228	0	650	0
Bucknell University	676	0	5	0	0	0	0	0	0	671	0
California U of PA	78	0	0	0	0	0	0	0	0	0	78
Carlow College	157	0	0	0	0	0	0	141	0	16	0
Carnegie Mellon U	90,008	0	35	34,285	0	3,871	1,320	10,994	3,721	34,747	1,035
Cedar Crest College	182	0	0	0	0	0	0	0	0	182	0
Clarion U of PA	204	0	0	0	0	0	0	0	14	190	0
College Misericordia	39	0	0	0	0	0	0	39	0	0	0
Dickinson College	160	0	0	0	0	0	0	0	0	160	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Pennsylvania, continued:											
Drexel University	11,436	0	61	449	0	275	0	2,436	1,029	6,986	200
Duquesne University	1,814	130	0	0	0	0	89	1,006	0	589	0
East Stroudsburg U of PA	30	0	0	0	0	0	0	0	0	30	0
Franklin & Marshall Col	665	0	0	0	0	0	0	0	80	585	0
Gannon University	18	0	0	0	0	0	0	18	0	0	0
Gwynedd Mercy College	47	0	0	0	0	0	0	47	0	0	0
Haverford College	705	0	0	0	0	0	0	0	0	705	0
Immaculata College	38	0	0	0	0	0	0	38	0	0	0
Indiana U of PA	434	0	0	0	0	0	0	303	0	121	10
Juniata College	118	0	0	0	0	0	0	26	0	92	0
Kutztown U of PA	35	0	0	0	0	0	0	0	0	35	0
La Salle University	1,046	0	0	0	0	0	0	75	0	971	0
Lafayette College	222	0	0	0	0	0	0	0	22	200	0
Lebanon Valley College	94	0	0	0	0	0	0	0	0	94	0
Lehigh Carbon CC	200	0	0	0	200	0	0	0	0	0	0
Lehigh University	11,086	0	35	3,869	678	972	0	1,089	15	3,628	800
Lincoln U (Linc U PA)	1,362	0	0	600	0	0	0	420	342	0	0
Lycoming College	88	0	0	0	0	0	0	0	0	88	0
Mercyhurst College	90	0	0	0	90	0	0	0	0	0	0
Millersville U of PA	186	0	0	0	0	0	0	0	0	186	0
Moravian College	51	0	0	0	0	0	0	0	0	51	0
Muhlenberg College	41	0	0	0	0	0	6	0	0	35	0
PA Col of Optometry	1,038	0	0	0	418	0	0	620	0	0	0
PA St U University Park	203,633	23,083	507	68,817	1,484	6,271	4,702	60,233	10,055	25,161	3,320
Phila Col Osteopathic Med	200	0	0	0	0	0	0	200	0	0	0
Phila Col of Pharm & Sci	292	0	0	0	0	0	0	292	0	0	0
Phila Col of Text & Sci	77	0	0	77	0	0	0	0	0	0	0
Shippensburg U of PA	16	0	0	0	0	0	6	10	0	0	0
Slippery Rock U of PA	97	0	0	0	97	0	0	0	0	0	0
St Francis Col (Loretto)	2,971	0	0	2,931	0	0	0	0	0	40	0
St Joseph's University	165	0	0	0	0	0	0	0	0	165	0
Susquehanna University	34	0	0	0	0	0	0	34	0	0	0
Swarthmore College	1,305	0	6	0	0	0	0	105	0	1,194	0
Temple University	29,240	0	0	1,017	632	321	0	24,265	0	2,986	19
Thiel College	30	0	0	0	0	0	0	0	0	30	0
Thomas Jefferson U	58,516	0	0	455	522	0	0	56,830	60	649	0
U of Pennsylvania	293,450	985	331	10,195	3,324	6,929	391	250,442	1,293	19,550	10
U of Pittsburgh	207,212	179	94	8,739	1,878	3,992	0	175,213	1,345	15,564	208
U of Scranton	30	0	0	0	0	0	0	30	0	0	0
U of the Arts, The	20	0	0	0	0	0	0	0	0	20	0
Villanova University	2,863	0	0	1,099	0	0	7	153	58	1,546	0
West Chester U of PA	104	0	0	0	0	0	0	0	0	104	0
Westminster Col (N Wmgtn)	62	0	0	0	0	0	0	0	0	62	0
Widener U All Campuses	158	0	0	0	0	0	0	97	0	61	0
Wilkes University	127	50	0	50	0	0	0	27	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Rhode Island, total	74,965	6,360	3,629	8,609	248	2,351	827	28,346	3,546	20,090	959
Brown University	44,012	170	17	6,287	0	2,301	199	22,048	2,028	10,927	35
Rhode Island College	971	0	0	0	248	0	0	0	0	723	0
Roger Williams U All Cmp	21	0	0	0	0	0	0	0	0	21	0
U of Rhode Island	29,961	6,190	3,612	2,322	0	50	628	6,298	1,518	8,419	924
South Carolina, total	135,938	15,948	1,988	21,743	2,503	20,528	787	48,938	2,649	19,929	925
Benedict College	1,368	0	100	0	70	0	0	1,098	100	0	0
Charleston Southern U	9	0	0	0	0	0	9	0	0	0	0
Claflin College	251	0	0	0	251	0	0	0	0	0	0
Clemson University	33,009	12,085	0	5,667	410	5,920	617	781	782	6,533	214
College of Charleston	1,459	0	0	13	0	0	0	0	594	852	0
Columbia Col (Columbia)	198	0	0	0	0	0	0	0	0	198	0
Florence-Dringtn Tech Col	350	0	350	0	0	0	0	0	0	0	0
Furman University	189	0	0	0	0	3	0	0	0	186	0
Greenville Tech College	48	0	0	0	0	48	0	0	0	0	0
Horry Georgetown Tech Col	950	0	905	0	0	0	0	0	0	45	0
Medical U of S Carolina	56,374	212	0	9,625	0	10,702	161	34,444	109	1,121	0
Morris College	135	0	0	0	135	0	0	0	0	0	0
Piedmont Tech College	144	0	0	0	0	0	0	0	0	144	0
SC Sea Grant Consortium	300	0	300	0	0	0	0	0	0	0	0
SC State University	4,523	3,471	0	162	283	171	0	278	158	0	0
Trident Tech Col	279	0	0	0	151	0	0	0	0	128	0
U of SC All Campuses	35,750	180	333	6,276	896	3,684	0	12,337	811	10,522	711
Voorhees College	397	0	0	0	307	0	0	0	90	0	0
Wofford College	5	0	0	0	0	0	0	0	5	0	0
York Technical College	200	0	0	0	0	0	0	0	0	200	0
South Dakota, total	18,090	8,011	95	582	432	50	275	607	1,364	6,154	520
Augustana Col (Sioux Fls)	170	50	0	0	0	0	0	0	20	100	0
Black Hills State U	115	0	0	0	0	0	0	0	0	115	0
Cheyenne River CC	61	61	0	0	0	0	0	0	0	0	0
Mount Marty College	23	0	0	0	0	0	0	23	0	0	0
Oglala Lakota College	2,932	248	0	0	24	0	0	160	0	2,500	0
SD School Mines & Tech	2,792	0	0	112	0	50	0	0	1,217	1,258	155
SD State University	10,388	7,524	95	340	0	0	275	369	127	1,293	365
Sinte Gleska University	255	70	0	0	185	0	0	0	0	0	0
Sisseton Wahpeton CC	113	58	0	0	0	0	0	55	0	0	0
U of S Dakota	1,241	0	0	130	223	0	0	0	0	888	0
Tennessee, total	229,579	22,676	2,887	9,278	6,616	7,798	1,806	151,843	5,133	19,547	1,995
Austin Peay State U	94	0	0	0	0	0	0	94	0	0	0
Belmont University	30	0	0	0	0	0	0	30	0	0	0
Christian Brothers U	41	0	0	0	0	0	0	0	0	41	0
Cooper Institute	2,020	0	0	0	0	0	0	2,020	0	0	0
Cumberland School of Tech	6	6	0	0	0	0	0	0	0	0	0
East Tennessee State U	3,138	173	0	5	0	0	0	2,868	92	0	0
Fisk University	2,914	0	0	84	0	285	0	312	1,759	474	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Tennessee, continued:											
Le Moyne Owen College	765	0	0	0	0	0	0	65	0	700	0
Meharry Medical College	8,498	0	0	0	0	0	0	8,498	0	0	0
Middle TN State U	609	1	0	0	0	31	0	0	47	530	0
Nashville State Tech Inst	598	0	0	0	0	0	0	0	0	598	0
Pellissippi St Tech CC	1	1	0	0	0	0	0	0	0	0	0
Rhodes College	53	0	0	0	0	0	0	0	0	53	0
Tennessee State U	12,067	5,085	0	1,101	355	60	0	2,109	928	2,429	0
Tennessee Technological U	783	0	0	0	0	236	242	0	31	199	75
U of Memphis	6,286	12	105	65	850	59	25	4,153	131	614	272
U of Tennessee Chtnooga	424	100	0	0	0	0	0	82	0	242	0
U of Tennessee Knoxville	39,460	17,298	187	1,957	0	5,359	1,124	4,623	551	6,713	1,648
U of Tennessee Memphis	26,024	0	0	501	0	0	0	25,294	31	198	0
U of Tennessee U-Wide Adm	3,546	0	2,595	0	951	0	0	0	0	0	0
U of the South	68	0	0	0	0	0	0	0	0	68	0
Vanderbilt University	122,154	0	0	5,565	4,460	1,768	415	101,695	1,563	6,688	0
Texas, total	845,965	39,109	7,067	96,154	9,826	21,524	11,961	524,393	44,420	86,175	5,336
Abilene Christian U	137	0	0	0	0	137	0	0	0	0	0
Alamo CC District	228	0	0	0	195	0	0	0	33	0	0
Amarillo College	220	0	0	0	20	0	0	0	0	200	0
Austin CC (Austin TX)	145	0	0	0	0	0	0	0	0	145	0
Austin College	28	0	0	0	0	0	0	0	0	28	0
Baylor Col of Dentistry	970	0	0	0	0	0	0	970	0	0	0
Baylor Col of Medicine	134,066	436	0	323	1,707	387	0	116,422	13,670	1,121	0
Baylor University	118	15	0	0	0	0	0	0	0	103	0
Central Texas College	147	0	0	147	0	0	0	0	0	0	0
El Paso Community College	96	0	0	0	0	0	69	27	0	0	0
Houston Community College	161	0	0	0	0	0	0	0	0	161	0
Jarvis Christian College	244	0	0	89	0	0	0	55	100	0	0
Lamar University	5,278	0	0	0	374	0	4,876	0	0	28	0
Laredo Community College	110	0	0	0	0	0	0	0	0	110	0
Lubbock Christian U	55	55	0	0	0	0	0	0	0	0	0
McMurry University	2	0	0	0	0	0	0	0	2	0	0
Midwestern State U	70	0	0	0	0	0	0	0	0	70	0
Mountain View College	60	0	0	0	60	0	0	0	0	0	0
Our Lady of the Lake U	937	0	0	537	367	0	0	0	33	0	0
Palo Alto College	265	265	0	0	0	0	0	0	0	0	0
Paul Quinn College	57	0	0	0	57	0	0	0	0	0	0
Prairie View A&M U	10,995	6,465	0	141	0	769	13	411	2,975	0	221
Rice University	25,659	1	0	2,529	0	2,070	200	5,435	3,098	12,326	0
Sam Houston State U	1,847	60	0	528	0	0	975	50	0	234	0
South Texas CC	195	0	0	0	195	0	0	0	0	0	0
Southern Methodist U	6,947	0	71	2,999	0	543	0	1,405	52	1,877	0
Southwest Texas Jr Col	100	0	0	0	0	0	0	0	100	0	0
Southwest Texas St U	2,290	0	0	0	129	0	1,297	366	85	413	0
St Edwards University	165	0	0	165	0	0	0	0	0	0	0
St Marys U (San Antonio)	377	0	0	24	21	0	0	296	0	36	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Texas, continued:											
Stephen F Austin St U	579	318	0	0	261	0	0	0	0	0	0
Sul Ross State University	19	0	0	0	0	0	0	0	0	19	0
Tarleton State University	6,164	0	0	0	0	0	500	5,664	0	0	0
Texas A&M International U	2,534	0	0	58	32	0	0	0	0	0	2,444
Texas A&M U	64,395	29,571	891	2,949	615	2,711	926	8,002	5,597	11,299	1,834
Texas A&M U Commerce	26	0	0	0	0	0	0	0	0	26	0
Texas A&M U Corpus Chrsti	65	0	0	0	0	0	0	38	0	0	27
Texas A&M U Kingsville	1,049	350	0	0	0	0	0	611	37	51	0
Texas A&M U System Office	10,587	205	26	1,383	98	1,441	0	7,319	86	0	29
Texas Christian U	2,596	15	0	27	0	0	0	2,324	80	150	0
Texas Southern U	890	0	0	0	285	0	14	0	428	163	0
Texas State Tech Col	548	0	0	0	0	0	0	0	0	548	0
Texas Tech University	14,407	543	3,702	2,681	110	536	210	3,719	626	1,963	317
Texas Wesleyan University	180	0	0	0	0	0	0	180	0	0	0
Texas Womans University	2,110	0	0	0	588	0	0	1,419	0	103	0
Trinity University	817	0	0	0	0	0	0	441	0	376	0
U of Dallas	37	0	0	0	0	0	0	0	0	37	0
U of Houston	19,783	0	43	5,304	0	1,042	112	5,511	2,710	5,011	50
U of Houston Clear Lake	46	25	0	0	0	0	0	21	0	0	0
U of Houston Downtown	985	285	0	0	0	0	0	0	0	700	0
U of Houston Sys Admin	241	0	0	165	76	0	0	0	0	0	0
U of N Texas	2,748	130	50	584	866	243	0	388	0	487	0
U of N Texas Hlth Sci Ctr	4,051	0	0	0	0	0	0	3,773	278	0	0
U of TX Arlington	4,570	0	210	1,749	251	515	172	664	0	986	23
U of TX Austin	129,131	190	412	54,001	1,653	9,185	787	21,787	8,667	32,393	56
U of TX Brownsville	178	0	0	0	178	0	0	0	0	0	0
U of TX Dallas	4,163	0	0	648	121	235	0	1,446	297	1,416	0
U of TX El Paso	12,258	0	0	701	157	0	0	2,302	1,678	7,085	335
U of TX Hlth Sci Houston	81,295	50	0	5,734	0	0	1,258	74,052	0	201	0
U of TX Hlth Sci S Anto	[illegible]942	0	0	2,235	0	0	0	50,179	232	296	0
U of TX MD Anderson Cancr	67,891	0	0	2,604	0	0	0	64,636	196	455	0
U of TX Med Brnch Galvstn	51,081	0	0	784	295	583	530	47,753	319	717	0
U of TX Pan American	1,620	124	100	142	286	0	0	709	149	110	0
U of TX Permian Basin	100	0	100	0	0	0	0	0	0	0	0
U of TX SW Med Ctr Dals	96,585	0	0	2,443	545	844	0	90,016	2,379	358	0
U of TX San Antonio	11,401	0	1,462	1,405	0	0	0	3,648	513	4,373	0
U of TX System Office	4,715	0	0	2,860	0	183	0	1,672	0	0	0
U of TX Tyler	371	0	0	0	0	0	0	371	0	0	0
U of the Incarnate Word	515	0	0	215	33	0	0	267	0	0	0
West Texas A&M U	50	6	0	0	0	0	0	44	0	0	0
Wiley College	273	0	0	0	251	0	22	0	0	0	0
Utah, total	165,549	8,794	643	29,070	4,777	4,506	1,540	77,455	12,660	25,533	571
Brigham Young U	5,432	167	0	1,055	0	345	114	1,356	347	2,020	28
Southern Utah University	28	0	0	0	0	0	0	0	0	28	0
University of Utah	105,411	0	528	3,754	1,506	3,886	299	73,516	1,870	19,681	371
Utah State University	53,843	8,627	25	23,516	3,271	275	1,127	2,583	10,443	3,804	172
Weber State University	835	0	90	745	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Vermont, total	46,682	7,268	551	1,544	1,946	716	44	29,317	399	4,786	111
Bennington College	20	20	0	0	0	0	0	0	0	0	0
College of St Joseph	20	0	0	0	0	0	0	0	0	20	0
Middlebury College	677	0	0	0	0	0	0	207	7	463	0
St Michaels College	117	0	0	117	0	0	0	0	0	0	0
Trinity Col (Burlington)	649	0	0	0	300	0	0	0	0	349	0
University of Vermont	44,514	7,248	0	1,427	1,546	716	10	29,110	392	3,954	111
Vermont Law School	34	0	0	0	0	0	34	0	0	0	0
Vermont Technical College	651	0	551	0	100	0	0	0	0	0	0
Virginia, total	283,816	20,164	2,003	27,410	5,964	20,337	1,810	134,552	25,833	37,432	8,311
Col William & Mary All C	9,531	165	1,084	556	255	613	1,096	131	1,284	4,211	136
Eastern VA Medical Schl	5,018	0	0	70	0	0	0	3,927	21	0	1,000
Emory & Henry College	63	0	0	0	0	0	0	0	0	63	0
Ferrum College	67	0	0	0	0	0	0	0	0	67	0
George Mason University	12,081	25	111	4,887	546	100	50	1,405	2,307	2,312	338
Hampton University	11,968	0	99	2,435	623	386	22	1,107	5,815	1,481	0
J Sargeant Reynolds CC	325	0	0	0	0	0	0	325	0	0	0
James Madison University	619	0	0	0	0	0	0	0	106	404	109
Mary Washington College	8	0	0	8	0	0	0	0	0	0	0
Marymount U (Arlington)	35	0	0	0	0	0	0	18	0	17	0
Norfolk State University	2,609	0	0	150	100	81	16	245	928	1,089	0
Old Dominion University	11,787	0	106	2,769	0	1,157	6	498	4,310	2,826	115
Radford University	277	0	0	0	0	0	0	267	0	10	0
Randolph Macon College	28	0	0	0	0	0	0	0	0	28	0
Roanoke College	136	0	0	0	0	0	0	0	55	81	0
Sweet Briar College	43	0	0	0	0	0	0	0	0	43	0
U of Richmond	572	0	0	0	0	293	0	152	0	127	0
U of Virginia	108,412	32	369	6,510	1,627	2,445	0	76,485	7,238	11,922	1,784
Virginia Commonwealth U	54,155	110	0	1,166	2,371	188	99	45,968	632	1,856	1,765
Virginia Military Inst	41	41	0	0	0	0	0	0	0	0	0
Virginia Poly Inst & St U	60,033	15,515	234	8,390	442	15,074	437	3,557	3,137	10,871	2,376
Virginia State University	5,417	4,276	0	288	0	0	0	165	0	0	688
Virginia Union University	567	0	0	181	0	0	84	302	0	0	0
Washington & Lee U	24	0	0	0	0	0	0	0	0	24	0
Washington, total	431,776	18,581	11,824	33,991	5,906	21,959	5,216	265,480	11,697	55,082	2,040
Bellevue CC	1,025	0	0	0	0	0	0	0	0	1,025	0
Central Washington U	499	0	0	0	0	0	0	0	37	435	27
Eastern Washington U	563	0	0	37	203	0	0	117	0	171	35
Evergreen State College	379	0	0	0	0	0	0	0	0	379	0
Gonzaga University	138	0	0	0	0	0	0	88	0	50	0
Green River CC	64	0	0	0	0	0	0	0	0	64	0
John Bastyr Col Nat Med	340	0	0	0	0	0	0	340	0	0	0
Northwest Indian College	359	69	0	0	0	0	0	0	0	290	0
Pacific Lutheran U	66	0	0	0	0	0	0	38	0	28	0
Seattle Pacific U	89	0	0	0	0	0	0	89	0	0	0
Seattle University	133	0	0	0	0	0	0	25	0	108	0
University of Puget Sound	158	0	0	0	0	0	0	0	81	77	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Washington, continued:											
University of Washington	380,690	4,903	11,622	28,779	4,346	15,928	4,625	252,218	11,034	45,410	1,825
Washington State U	43,485	13,609	202	4,232	170	6,031	591	12,467	545	5,485	153
Western Washington U	3,568	0	0	900	1,187	0	0	98	0	1,383	0
Whitman College	130	0	0	43	0	0	0	0	0	87	0
Whitworth College	90	0	0	0	0	0	0	0	0	90	0
West Virginia, total	49,687	8,915	207	2,527	678	2,501	5	11,986	18,690	1,261	2,917
Fairmont State College	36	0	0	0	0	0	0	0	0	36	0
Glenville State College	2	2	0	0	0	0	0	0	0	0	0
Marshall U Graduate Col	1,965	0	99	520	0	0	0	1,012	51	229	54
Salem Teikyo University	92	0	0	0	0	0	0	66	0	26	0
Shepherd College	15	0	0	0	0	0	0	0	0	15	0
University of Charleston	22	0	0	0	0	0	0	0	22	0	0
WV University (Morgantwn)	28,188	8,913	0	2,007	678	2,501	0	10,908	3,118	0	63
WV University Inst Tech	108	0	108	0	0	0	0	0	0	0	0
West Liberty State Col	333	0	0	0	0	0	0	0	0	333	0
Wheeling Jesuit U	18,926	0	0	0	0	0	5	0	15,499	622	2,800
Wisconsin, total	312,879	20,471	1,833	9,969	9,414	19,145	287	186,038	11,142	50,965	3,615
Alverno College	20	0	0	0	0	0	0	20	0	0	0
Beloit College	381	0	0	0	0	0	0	0	0	381	0
Cardinal Stritch U	22	0	0	0	0	0	0	0	0	22	0
Carthage College	23	0	0	0	0	0	0	0	0	23	0
Chippewa Valley Tech Col	453	0	453	0	0	0	0	0	0	0	0
Col of Menomenee Nation	59	59	0	0	0	0	0	0	0	0	0
Concordia U, Wisconsin	33	0	0	0	0	0	0	33	0	0	0
Edgewood College	28	0	0	28	0	0	0	0	0	0	0
Fox Valley Technical Col	68	0	0	0	0	0	0	0	0	68	0
Lac Courte Ojibwa CC	62	62	0	0	0	0	0	0	0	0	0
Lawrence University	212	0	0	0	0	98	0	0	0	114	0
Marquette University	3,097	0	59	105	251	202	287	1,749	15	379	50
Medical Col of Wisconsin	45,866	140	0	125	473	0	0	43,895	272	249	712
Milwaukee School of Eng	195	0	0	0	0	0	0	0	0	195	0
Mount Mary College	27	0	0	0	0	0	0	0	0	27	0
Ripon College	5	0	0	0	0	0	0	0	0	5	0
St Norbert College	10	0	0	0	0	0	0	0	10	0	0
U of WI Colleges	764	17	0	0	0	582	0	165	0	0	0
U of WI Eau Claire	554	0	0	0	0	0	0	338	7	209	0
U of WI La Crosse	840	0	0	0	0	0	0	262	0	125	453
U of WI Madison	239,625	19,855	0	8,332	0	17,291	0	136,668	10,478	44,881	2,120
U of WI Milwaukee	7,334	0	100	201	0	972	0	2,483	360	3,210	8
U of WI Oshkosh	253	0	0	0	0	0	0	69	0	184	0
U of WI Platteville	62	62	0	0	0	0	0	0	0	0	0
U of WI River Falls	301	1	0	0	0	0	0	0	0	300	0
U of WI Stevens Point	475	2	0	0	0	0	0	18	0	183	272
U of WI Stout	2,287	0	500	0	1,733	0	0	54	0	0	0
U of WI System Office	9,329	273	721	1,178	6,957	0	0	200	0	0	0
U of WI Whitewater	84	0	0	0	0	0	0	84	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Federal obligations for science and engineering to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Wisconsin, continued:											
Waukesha County Tech Col	200	0	0	0	0	0	0	0	0	200	0
Western WI Tech Col	210	0	0	0	0	0	0	0	0	210	0
Wyoming, total	19,476	4,332	32	2,577	351	964	0	1,843	692	7,934	751
University of Wyoming	19,476	4,332	32	2,577	351	964	0	1,843	692	7,934	751
American Samoa, total	1,197	1,059	0	0	90	48	0	0	0	0	0
American Samoa CC	1,197	1,059	0	0	90	48	0	0	0	0	0
Guam, total	3,654	2,674	200	163	0	0	0	377	80	160	0
University of Guam	3,654	2,674	200	163	0	0	0	377	80	160	0
Puerto Rico, total	66,712	12,874	145	2,016	1,349	841	0	30,522	5,228	13,712	25
American U Puerto Rico	61	0	0	0	0	0	0	0	0	61	0
Bayamon Central U	84	0	0	0	64	0	0	0	0	20	0
Inter Am U PR Ctrl Off	1,650	414	0	0	778	0	0	191	0	267	0
Ponce School of Medicine	3,762	0	0	0	0	0	0	3,762	0	0	0
Pont Cath U of PR, The	553	0	0	0	65	0	0	488	0	0	0
Sistema U Ana G Mendez	9	9	0	0	0	0	0	0	0	0	0
U Central Del Caribe	4,706	0	0	0	0	0	0	4,706	0	0	0
U Del Turabo	219	0	0	0	219	0	0	0	0	0	0
U Metropolitana	1,533	0	0	0	0	0	0	0	0	1,533	0
U of PR Arecibo U Col	81	0	0	0	81	0	0	0	0	0	0
U of PR Cayey U Col	212	0	0	0	0	0	0	212	0	0	0
U of PR Humacao U Col	2,723	0	0	499	44	0	0	760	0	1,420	0
U of PR La Montana Rgn	6	6	0	0	0	0	0	0	0	0	0
U of PR Mayaguez	19,575	12,443	133	810	0	41	0	1,045	3,863	1,240	0
U of PR Medical Sci	14,444	0	0	0	0	0	0	14,389	0	55	0
U of PR Rio Piedras	7,545	2	0	323	0	0	0	4,969	1,365	886	0
U of the Sacred Heart	124	0	0	0	0	0	0	0	0	124	0
University of PR System	9,425	0	12	384	98	800	0	0	0	8,106	25
Trust Territory of the Pacific Islands, total	3,312	3,232	0	0	0	0	0	0	0	80	0
Col of Micronesia FSM	1,775	1,695	0	0	0	0	0	0	0	80	0
Northern Marianas College	1,537	1,537	0	0	0	0	0	0	0	0	0
Virgin Islands, total	1,363	931	0	0	0	0	0	382	0	0	50
U of the Virgin Islands	1,363	931	0	0	0	0	0	382	0	0	50

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Interior, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

NOTE: The Agency for International Development (AID) continues its long-term work on restructuring its internal database (New Management System, NMS) that will integrate the agency's budget, programming, accounting, and procurement systems. As a result, AID's response to the fiscal year (FY) 1998 Federal support survey has again been produced using an interim reporting system as it was for the FYs 1995-97 surveys. Any significant differences between AID's data reported for FYs 1995-98 and data reported prior to FY 1995 can be attributed to this change in reporting systems. In addition, AID anticipates that future responses to the Federal support survey may also differ from the FYs 1995-98 submissions since the NMS, which will eventually be the database for reporting this information, will be refined to produce more accurate data.

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
United States, total	13,847,428	433,864	283	101,650	1,547,034	1,090,044	206,443	250,547	611,365	0	98,311	168,106
Alabama, total	228,325	9,962	0	0	16,167	13,469	2,283	415	4,490	0	1,831	110
Alabama A & M University	5,313	1,643	0	0	2,389	2,389	0	0	30	0	0	55
Alabama State University	36	0	0	0	0	0	0	0	0	0	0	0
Auburn University	16,122	6,013	0	0	2,384	2,064	0	320	830	0	0	55
Bevill State CC	86	0	0	0	0	0	0	0	0	0	0	0
Birmingham Southern Col	87	0	0	0	0	0	0	0	0	0	0	0
J F Drake St Tech Col	14	0	0	0	0	0	0	0	0	0	0	0
Jacksonville State U	100	0	0	0	0	0	0	0	0	0	0	0
Miles College	17	0	0	0	0	0	0	0	0	0	0	0
Oakwood College	297	0	0	0	297	297	0	0	0	0	0	0
Troy State U Main	8	0	0	0	8	8	0	0	0	0	0	0
Tuskegee University	7,407	1,992	0	0	608	608	0	0	275	0	0	0
U of Alabama Birmingham	160,710	219	0	0	6,058	5,090	968	0	2,539	0	1,831	0
U of Alabama Huntsville	19,267	0	0	0	3,583	2,268	1,315	0	129	0	0	0
U of Alabama Sys Off	240	0	0	0	240	145	0	95	0	0	0	0
U of Alabama, The	9,082	5	0	0	600	600	0	0	633	0	0	0
U of South Alabama	9,539	90	0	0	0	0	0	0	54	0	0	0
Alaska, total	29,541	2,446	0	2,951	897	897	0	0	50	0	0	780
Alaska Pacific University	310	0	0	240	0	0	0	0	50	0	0	0
Sheldon Jackson College	32	0	0	0	0	0	0	0	0	0	0	0
U of AK Anchorage All Cmp	2,225	0	0	0	0	0	0	0	0	0	0	187
U of AK Fairbanks All Cmp	23,389	1,973	0	0	897	897	0	0	0	0	0	193
U of AK Southeast	475	0	0	75	0	0	0	0	0	0	0	400
U of AK System Higher Ed	3,110	473	0	2,636	0	0	0	0	0	0	0	0
Arizona, total	170,373	5,896	0	1,044	19,699	19,446	253	0	4,523	0	710	5,381
Arizona State U Main	31,032	952	0	0	2,996	2,996	0	0	1,161	0	199	1,440
Dine College	416	0	0	0	225	225	0	0	0	0	0	0
Northern Arizona U	7,524	724	0	0	0	0	0	0	331	0	275	2,045
Pima County CC Dist	976	0	0	500	0	0	0	0	0	0	0	0
Prescott College	58	0	0	0	0	0	0	0	0	0	0	0
U & State Col AZ Sys Off	577	0	0	231	75	0	75	0	271	0	0	0
University of Arizona	129,790	4,220	0	313	16,403	16,225	178	0	2,760	0	236	1,896
Arkansas, total	46,840	13,311	0	70	3,377	1,990	1,387	0	100	0	851	381
Arkansas State U	55	5	0	0	0	0	0	0	50	0	0	0
Arkansas Tech University	52	15	0	0	0	0	0	0	0	0	0	0
Hendrix College	20	0	0	0	0	0	0	0	0	0	0	0
U of Arkansas Little Rock	6,278	3,011	0	0	1,012	1,012	0	0	50	0	0	0
U of Arkansas Main	15,119	7,237	0	70	1,896	896	1,000	0	0	0	851	100
U of Arkansas Med Sci	22,236	221	0	0	387	0	387	0	0	0	0	281
U of Arkansas Monticello	48	48	0	0	0	0	0	0	0	0	0	0
U of Arkansas Pine Bluff	3,032	2,774	0	0	82	82	0	0	0	0	0	0
California, total	2,059,818	20,826	0	10,790	245,088	210,666	27,396	7,026	89,497	0	14,829	25,065
CA Inst of Technology	133,844	0	0	0	38,030	23,822	9,854	4,354	9,459	0	0	2,938
CA Schl Prof Psych Ctrl	500	0	0	0	0	0	0	0	0	0	500	0
CA Schl Prof Psych LA	29	0	0	0	0	0	0	0	0	0	0	0
CA St Poly U Pomona	1,599	0	0	0	1,599	0	0	1,599	0	0	0	0
CA St Poly U San Luis	1,036	493	0	0	114	114	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
United States, total	0	7,971,944	651	65,860	9,969	19,937	6,193	790,888	1,973,025	5,180	5,021	38,147
Alabama, total	0	146,958	0	268	0	2,812	10	33,697	11,261	0	0	759
Alabama A & M University	0	131	0	0	0	0	0	1,065	0	0	0	0
Alabama State University	0	36	0	0	0	0	0	0	0	0	0	0
Auburn University	0	1,829	0	268	0	0	0	2,555	2,188	0	0	0
Bevill State CC	0	0	0	0	0	0	0	0	86	0	0	0
Birmingham Southern Col	0	83	0	0	0	0	0	4	0	0	0	0
J F Drake St Tech Col	0	0	0	0	0	0	0	0	14	0	0	0
Jacksonville State U	0	0	0	0	0	0	0	0	100	0	0	0
Miles College	0	0	0	0	0	0	0	17	0	0	0	0
Oakwood College	0	0	0	0	0	0	0	0	0	0	0	0
Troy State U Main	0	0	0	0	0	0	0	0	0	0	0	0
Tuskegee University	0	1,729	0	0	0	0	0	1,922	881	0	0	0
U of Alabama Birmingham	0	131,051	0	0	0	2,812	10	12,933	3,257	0	0	0
U of Alabama Huntsville	0	163	0	0	0	0	0	14,249	1,143	0	0	0
U of Alabama Sys Off	0	0	0	0	0	0	0	0	0	0	0	0
U of Alabama, The	0	2,728	0	0	0	0	0	903	3,454	0	0	759
U of South Alabama	0	9,208	0	0	0	0	0	49	136	0	0	0
Alaska, total	0	1,474	0	3,271	0	0	0	9,318	8,354	0	0	0
Alaska Pacific University	0	0	0	0	0	0	0	0	20	0	0	0
Sheldon Jackson College	0	32	0	0	0	0	0	0	0	0	0	0
U of AK Anchorage All Cmp	0	1,375	0	13	0	0	0	0	650	0	0	0
U of AK Fairbanks All Cmp	0	66	0	3,258	0	0	0	9,318	7,684	0	0	0
U of AK Southeast	0	0	0	0	0	0	0	0	0	0	0	0
U of AK System Higher Ed	0	1	0	0	0	0	0	0	0	0	0	0
Arizona, total	0	73,785	0	2,273	0	0	0	20,467	36,245	325	0	25
Arizona State U Main	0	9,155	0	368	0	0	0	2,336	12,400	0	0	25
Dine College	0	191	0	0	0	0	0	0	0	0	0	0
Northern Arizona U	0	1,518	0	395	0	0	0	118	2,118	0	0	0
Pima County CC Dist	0	476	0	0	0	0	0	0	0	0	0	0
Prescott College	0	0	0	49	0	0	0	0	9	0	0	0
U & State Col AZ Sys Off	0	0	0	0	0	0	0	0	0	0	0	0
University of Arizona	0	62,445	0	1,461	0	0	0	18,013	21,718	325	0	0
Arkansas, total	0	22,429	0	244	0	0	0	1,196	4,639	0	0	242
Arkansas State U	0	0	0	0	0	0	0	0	0	0	0	0
Arkansas Tech University	0	0	0	0	0	0	0	37	0	0	0	0
Hendrix College	0	0	0	0	0	0	0	20	0	0	0	0
U of Arkansas Little Rock	0	747	0	0	0	0	0	1,006	452	0	0	0
U of Arkansas Main	0	450	0	165	0	0	0	133	3,975	0	0	242
U of Arkansas Med Sci	0	21,135	0	0	0	0	0	0	212	0	0	0
U of Arkansas Monticello	0	0	0	0	0	0	0	0	0	0	0	0
U of Arkansas Pine Bluff	0	97	0	79	0	0	0	0	0	0	0	0
California, total	0	1,144,590	15	10,078	0	877	225	168,296	320,006	718	0	8,918
CA Inst of Technology	0	24,610	0	725	0	0	0	19,750	38,332	0	0	0
CA Schl Prof Psych Ctrl	0	0	0	0	0	0	0	0	0	0	0	0
CA Schl Prof Psych LA	0	29	0	0	0	0	0	0	0	0	0	0
CA St Poly U Pomona	0	0	0	0	0	0	0	0	0	0	0	0
CA St Poly U San Luis	0	0	0	0	0	0	0	241	188	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
California, continued:												
CA St U Bakersfield	111	0	0	0	0	0	0	0	0	0	0	0
CA St U Chico	9	9	0	0	0	0	0	0	0	0	0	0
CA St U Dominguez Hills	296	0	0	0	0	0	0	0	0	0	0	0
CA St U Fresno	194	0	0	0	0	0	0	0	0	0	0	0
CA St U Fullerton	1,731	0	0	0	0	0	0	0	72	0	0	0
CA St U Hayward	346	0	0	0	0	0	0	0	0	0	0	0
CA St U Long Beach	7,519	16	0	0	0	0	0	0	0	0	0	0
CA St U Los Angeles	4,665	0	0	0	363	363	0	0	0	0	210	0
CA St U Monterey Bay	50	0	0	0	0	0	0	0	0	0	0	0
CA St U Northridge	649	10	0	0	406	406	0	0	74	0	0	0
CA St U Sacramento	1,768	0	0	0	0	0	0	0	0	0	0	0
CA St U San Bernardino	228	0	0	0	0	0	0	0	0	0	0	0
CA St U San Marcos	16	0	0	0	0	0	0	0	0	0	0	0
CA St U System Office	722	0	0	0	722	722	0	0	0	0	0	0
Chapman University	61	0	0	0	0	0	0	0	0	0	0	0
Charles Drew U Med & Sci	5,288	0	0	0	0	0	0	0	0	0	0	0
Claremont Graduate U	619	3	0	0	17	17	0	0	0	0	0	0
Claremont McKenna College	112	0	0	0	0	0	0	0	0	0	0	0
College of San Mateo	83	0	0	0	0	0	0	0	0	0	0	0
Contra Costa College	137	0	0	0	137	137	0	0	0	0	0	0
Harvey Mudd College	787	0	0	0	0	0	0	0	0	0	0	0
Humboldt State University	948	374	0	0	35	35	0	0	0	0	0	0
LA Col of Chiropractic	243	0	0	0	0	0	0	0	0	0	0	0
La Sierra University	105	0	0	0	0	0	0	0	0	0	0	0
Loma Linda University	7,136	0	0	0	0	0	0	0	2,887	0	0	0
Loyola Marymount U	173	0	0	0	0	0	0	0	0	0	0	0
Natl Physical Sci Cnstrm	659	0	0	30	0	0	0	0	0	0	0	0
Naval Postgraduate Schl	845	0	0	0	0	0	0	0	0	0	0	0
Occidental College	556	0	0	0	0	0	0	0	61	0	0	0
Pepperdine University	40	0	0	0	0	0	0	0	0	0	0	0
Pitzer College	211	0	0	0	0	0	0	0	0	0	0	0
Point Loma Nazarene Col	33	0	0	0	0	0	0	0	0	0	0	0
Pomona College	1,077	0	0	0	0	0	0	0	0	0	0	0
Rio Hondo College	50	0	0	0	0	0	0	0	0	0	0	50
San Diego State U	21,099	0	0	17	3,655	3,655	0	0	385	0	890	3,110
San Fran CC Dist	200	0	0	0	0	0	0	0	0	0	0	0
San Fran State University	5,610	3	0	0	0	0	0	0	464	0	180	245
San Joaquin Col of Law	49	49	0	0	0	0	0	0	0	0	0	0
San Jose State University	6,995	0	0	0	408	273	0	135	160	0	0	0
Santa Clara University	530	0	0	0	0	0	0	0	0	0	0	0
Scripps College	21	21	0	0	0	0	0	0	0	0	0	0
Scripps Rsch Inst, The	113,202	0	0	0	1,873	1,511	362	0	342	0	0	0
Skyline College	204	0	0	0	204	204	0	0	0	0	0	0
Sonoma State University	57	0	0	0	0	0	0	0	0	0	0	0
St Mary's College of CA	74	0	0	0	0	0	0	0	0	0	0	0
Stanford University	329,734	20	0	523	40,294	37,339	2,955	0	7,512	0	2,519	3,440
U of CA Berkeley	173,317	3,520	0	148	22,003	15,752	6,251	0	5,676	0	730	3,339
U of CA Davis	118,508	10,675	0	0	3,687	3,399	288	0	6,731	0	975	5,863
U of CA Irvine	72,248	0	0	0	7,358	7,358	0	0	4,652	0	0	207
U of CA Los Angeles	246,381	311	0	722	22,944	20,686	2,108	150	19,049	0	3,713	1,912

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
California, continued:												
CA St U Bakersfield	0	0	0	0	0	0	0	53	58	0	0	0
CA St U Chico	0	0	0	0	0	0	0	0	0	0	0	0
CA St U Dominguez Hills	0	296	0	0	0	0	0	0	0	0	0	0
CA St U Fresno	0	94	0	0	0	0	0	100	0	0	0	0
CA St U Fullerton	0	843	0	0	0	0	0	100	716	0	0	0
CA St U Hayward	0	321	0	0	0	0	0	25	0	0	0	0
CA St U Long Beach	0	1,901	0	0	0	0	0	325	977	0	0	4,300
CA St U Los Angeles	0	92	0	0	0	0	0	2,231	1,769	0	0	0
CA St U Monterey Bay	0	0	0	0	0	0	0	0	50	0	0	0
CA St U Northridge	0	53	0	0	0	0	0	106	0	0	0	0
CA St U Sacramento	0	0	0	1,668	0	100	0	0	0	0	0	0
CA St U San Bernardino	0	0	0	0	0	0	0	0	228	0	0	0
CA St U San Marcos	0	0	0	0	0	0	0	0	16	0	0	0
CA St U System Office	0	0	0	0	0	0	0	0	0	0	0	0
Chapman University	0	61	0	0	0	0	0	0	0	0	0	0
Charles Drew U Med & Sci	0	5,288	0	0	0	0	0	0	0	0	0	0
Claremont Graduate U	0	335	0	0	0	0	0	0	264	0	0	0
Claremont McKenna College	0	112	0	0	0	0	0	0	0	0	0	0
College of San Mateo	0	0	0	0	0	0	0	83	0	0	0	0
Contra Costa College	0	0	0	0	0	0	0	0	0	0	0	0
Harvey Mudd College	0	0	0	0	0	0	0	36	751	0	0	0
Humboldt State University	0	0	0	251	0	0	0	0	288	0	0	0
LA Col of Chiropractic	0	243	0	0	0	0	0	0	0	0	0	0
La Sierra University	0	105	0	0	0	0	0	0	0	0	0	0
Loma Linda University	0	4,115	0	0	0	0	0	0	134	0	0	0
Loyola Marymount U	0	0	0	0	0	0	0	0	173	0	0	0
Natl Physical Sci Cnstrm	0	0	0	0	0	0	0	629	0	0	0	0
Naval Postgraduate Schl	0	0	0	0	0	0	0	0	845	0	0	0
Occidental College	0	0	0	0	0	0	0	0	495	0	0	0
Pepperdine University	0	0	0	0	0	0	0	0	40	0	0	0
Pitzer College	0	211	0	0	0	0	0	0	0	0	0	0
Point Loma Nazarene Col	0	0	0	0	0	0	0	0	33	0	0	0
Pomona College	0	487	0	0	0	0	0	0	590	0	0	0
Rio Hondo College	0	0	0	0	0	0	0	0	0	0	0	0
San Diego State U	0	9,995	0	231	0	0	0	239	2,577	0	0	0
San Fran CC Dist	0	0	0	0	0	0	200	0	0	0	0	0
San Fran State University	0	1,963	0	67	0	0	0	426	2,262	0	0	0
San Joaquin Col of Law	0	0	0	0	0	0	0	0	0	0	0	0
San Jose State University	0	0	0	0	0	0	0	4,280	2,147	0	0	0
Santa Clara University	0	0	0	0	0	0	0	248	282	0	0	0
Scripps College	0	0	0	0	0	0	0	0	0	0	0	0
Scripps Rsch Inst, The	0	109,320	0	0	0	0	0	0	1,667	0	0	0
Skyline College	0	0	0	0	0	0	0	0	0	0	0	0
Sonoma State University	0	0	0	0	0	0	0	45	12	0	0	0
St Mary's College of CA	0	0	0	0	0	0	0	0	74	0	0	0
Stanford University	0	163,355	0	245	0	0	0	69,637	38,508	0	0	3,681
U of CA Berkeley	0	63,257	0	696	0	0	0	26,954	46,111	0	0	883
U of CA Davis	0	64,189	0	1,317	0	160	0	2,560	22,351	0	0	0
U of CA Irvine	0	46,878	0	35	0	0	0	3,332	9,786	0	0	0
U of CA Los Angeles	0	166,115	0	183	0	83	25	10,000	21,319	0	0	5

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
California, continued:												
U of CA Office of Pres	20,203	21	0	9,253	172	172	0	0	8,086	0	0	0
U of CA Riverside	22,065	4,952	0	0	1,092	1,092	0	0	1,737	0	0	1,561
U of CA San Diego	262,217	90	0	0	31,228	29,542	1,366	320	13,930	0	0	0
U of CA San Francisco	221,428	0	0	0	2,047	506	1,541	0	676	0	375	0
U of CA Santa Barbara	75,211	139	0	97	22,348	22,124	224	0	3,748	0	0	793
U of CA Santa Cruz	27,009	120	0	0	3,275	3,137	0	138	2,522	0	4,612	632
U of La Verne	20	0	0	0	0	0	0	0	0	0	0	0
U of Redlands	975	0	0	0	0	0	0	0	0	0	0	975
U of San Diego	20	0	0	0	0	0	0	0	0	0	0	0
U of San Francisco	361	0	0	0	0	0	0	0	0	0	125	0
U of Southern California	167,139	0	0	0	41,077	38,300	2,447	330	1,274	0	0	0
U of the Pacific	358	0	0	0	0	0	0	0	0	0	0	0
US International U	74	0	0	0	0	0	0	0	0	0	0	0
Westmont College	34	0	0	0	0	0	0	0	0	0	0	0
Colorado, total	372,241	6,497	0	19,439	18,048	16,289	1,579	180	10,951	0	1,911	6,148
Colorado College	34	0	0	0	0	0	0	0	0	0	0	0
Colorado School of Mines	5,915	153	0	65	1,026	1,026	0	0	762	0	0	251
Colorado State University	61,814	6,261	0	2,137	6,830	6,830	0	0	3,031	0	150	3,651
Fort Lewis College	12	0	0	0	0	0	0	0	0	0	0	0
Metro State Col of Denver	290	0	0	0	0	0	0	0	0	0	0	0
Natl Technological U	10	0	0	0	0	0	0	0	0	0	0	0
Regis University	9	0	0	0	0	0	0	0	0	0	0	0
Teikyo Loretto Heights U	48	0	0	0	0	0	0	0	0	0	0	0
U Corp for Atmosph Rsch	81,834	0	0	11,592	703	703	0	0	1,836	0	0	0
U of Colorado	214,879	83	0	5,458	9,045	7,326	1,539	180	5,322	0	1,606	2,246
U of Northern Colorado	593	0	0	0	0	0	0	0	0	0	0	0
U of Southern Colorado	433	0	0	0	0	0	0	0	0	0	0	0
University of Denver	6,334	0	0	187	444	404	40	0	0	0	155	0
Western State Col of CO	36	0	0	0	0	0	0	0	0	0	0	0
Connecticut, total	266,541	2,683	0	1,472	9,981	8,789	1,101	91	10,351	0	809	340
Central Connecticut St U	217	0	0	0	0	0	0	0	0	0	0	0
Connecticut College	30	0	0	0	30	30	0	0	0	0	0	0
Eastern Connecticut St U	33	33	0	0	0	0	0	0	0	0	0	0
Fairfield University	88	0	0	0	0	0	0	0	50	0	0	0
Sacred Heart University	53	0	0	0	0	0	0	0	0	0	0	0
Southern Connecticut St U	55	0	0	0	0	0	0	0	0	0	0	0
Trinity Col (Hartford)	226	0	0	0	0	0	0	0	0	0	0	0
U of Connecticut	46,921	1,704	0	1,472	3,429	3,338	0	91	812	0	809	198
U of Hartford	600	0	0	0	0	0	0	0	0	0	0	0
U of New Haven	8	0	0	0	0	0	0	0	0	0	0	0
Wesleyan University	2,203	0	0	0	0	0	0	0	0	0	0	142
Western Connecticut St U	5	0	0	0	0	0	0	0	0	0	0	0
Yale University	216,102	946	0	0	6,522	5,421	1,101	0	9,489	0	0	0
Delaware, total	34,247	2,376	0	897	8,346	8,202	0	144	1,323	0	155	1,554
Delaware State University	1,088	535	0	0	270	270	0	0	0	0	0	0
Delaware Tech & CC	579	0	0	0	0	0	0	0	0	0	0	579
University of Delaware	32,580	1,841	0	897	8,076	7,932	0	144	1,323	0	155	975

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
California, continued:												
U of CA Office of Pres	0	2,671	0	0	0	0	0	0	0	0	0	0
U of CA Riverside	0	5,633	0	40	0	0	0	2,939	4,111	0	0	0
U of CA San Diego	0	144,077	0	2,190	0	0	0	11,529	59,173	0	0	0
U of CA San Francisco	0	216,565	0	0	0	0	0	713	1,052	0	0	0
U of CA Santa Barbara	0	6,984	0	1,962	0	0	0	6,517	31,905	718	0	0
U of CA Santa Cruz	0	6,586	0	177	0	0	0	1,578	7,507	0	0	0
U of La Verne	0	0	0	0	0	0	0	0	20	0	0	0
U of Redlands	0	0	0	0	0	0	0	0	0	0	0	0
U of San Diego	0	0	0	0	0	0	0	0	20	0	0	0
U of San Francisco	0	0	0	0	0	0	0	150	86	0	0	0
U of Southern California	0	97,603	15	291	0	534	0	3,470	22,826	0	0	49
U of the Pacific	0	129	0	0	0	0	0	0	229	0	0	0
US International U	0	74	0	0	0	0	0	0	0	0	0	0
Westmont College	0	0	0	0	0	0	0	0	34	0	0	0
Colorado, total	0	143,979	15	3,997	0	397	0	52,396	108,362	0	0	101
Colorado College	0	0	0	0	0	0	0	0	34	0	0	0
Colorado School of Mines	0	0	0	187	0	0	0	1,336	2,135	0	0	0
Colorado State University	0	22,606	0	2,510	0	0	0	3,712	10,886	0	0	40
Fort Lewis College	0	0	0	12	0	0	0	0	0	0	0	0
Metro State Col of Denver	0	290	0	0	0	0	0	0	0	0	0	0
Natl Technological U	0	0	0	0	0	0	0	0	10	0	0	0
Regis University	0	9	0	0	0	0	0	0	0	0	0	0
Teikyo Loretto Heights U	0	0	0	0	0	0	0	0	48	0	0	0
U Corp for Atmosph Rsch	0	0	0	0	0	0	0	3,309	64,394	0	0	0
U of Colorado	0	117,307	15	1,113	0	397	0	42,696	29,556	0	0	35
U of Northern Colorado	0	539	0	0	0	0	0	16	38	0	0	0
U of Southern Colorado	0	433	0	0	0	0	0	0	0	0	0	0
University of Denver	0	2,795	0	175	0	0	0	1,327	1,225	0	0	26
Western State Col of CO	0	0	0	0	0	0	0	0	36	0	0	0
Connecticut, total	0	213,823	14	58	0	0	0	4,139	22,871	0	0	0
Central Connecticut St U	0	217	0	0	0	0	0	0	0	0	0	0
Connecticut College	0	0	0	0	0	0	0	0	0	0	0	0
Eastern Connecticut St U	0	0	0	0	0	0	0	0	0	0	0	0
Fairfield University	0	0	0	38	0	0	0	0	0	0	0	0
Sacred Heart University	0	0	0	0	0	0	0	0	53	0	0	0
Southern Connecticut St U	0	55	0	0	0	0	0	0	0	0	0	0
Trinity Col (Hartford)	0	103	0	0	0	0	0	0	123	0	0	0
U of Connecticut	0	29,666	0	20	0	0	0	178	8,633	0	0	0
U of Hartford	0	0	0	0	0	0	0	0	600	0	0	0
U of New Haven	0	0	0	0	0	0	0	8	0	0	0	0
Wesleyan University	0	2,043	0	0	0	0	0	18	0	0	0	0
Western Connecticut St U	0	0	0	0	0	0	0	0	5	0	0	0
Yale University	0	181,739	14	0	0	0	0	3,935	13,457	0	0	0
Delaware, total	0	6,048	0	75	0	0	0	2,045	11,376	0	0	52
Delaware State University	0	164	0	0	0	0	0	98	21	0	0	0
Delaware Tech & CC	0	0	0	0	0	0	0	0	0	0	0	0
University of Delaware	0	5,884	0	75	0	0	0	1,947	11,355	0	0	52

See explanatory information, if any, and SOURCE at end of table.

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Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
District of Columbia, total	127,125	757	0	682	18,049	6,875	10,965	209	1,846	0	739	2,177
American University	1,315	25	0	0	72	72	0	0	0	0	0	50
Catholic U of America	5,762	2	0	201	576	576	0	0	185	0	0	0
Cnsrtm Ocean Rsch & Ed	275	0	0	0	246	236	0	10	0	0	0	0
Gallaudet University	621	0	0	0	0	0	0	0	0	0	524	0
George Washington U	32,641	0	0	293	2,488	1,461	828	199	805	0	215	1,389
Georgetown University	63,442	129	0	94	10,075	690	9,385	0	0	0	0	225
Howard University	21,992	47	0	94	4,196	3,444	752	0	856	0	0	513
University of DC	1,077	554	0	0	396	396	0	0	0	0	0	0
Florida, total	333,533	12,266	0	4,584	55,933	45,864	4,813	5,256	20,596	0	4,247	1,233
Advanced Technology Inst	537	0	0	0	0	0	0	0	537	0	0	0
Bethune Cookman College	632	0	0	0	0	0	0	0	0	0	0	0
Daytona Beach CC	487	0	0	0	0	0	0	0	0	0	0	0
Eckerd College	76	0	0	0	0	0	0	0	0	0	0	0
Edward Waters College	50	0	0	0	0	0	0	0	0	0	0	0
Embry Riddle Aeronautcl U	2,309	0	0	0	454	228	0	226	0	0	0	0
Florida A&M University	16,201	2,005	0	0	2,423	1,635	271	517	2,501	0	0	0
Florida Atlantic U	13,724	0	0	0	10,612	10,612	0	0	325	0	0	0
Florida Gulf Coast U	80	0	0	0	0	0	0	0	0	0	0	0
Florida Inst of Tech	1,149	0	0	0	350	350	0	0	0	0	0	7
Florida International U	11,057	5	0	0	1,710	1,650	60	0	5,502	0	0	0
Florida State University	45,499	0	0	832	1,111	1,045	0	66	6,371	0	452	0
Indian River CC	168	0	0	0	0	0	0	0	0	0	0	0
Nova Southeastern U	1,793	0	0	271	83	83	0	0	0	0	0	0
Rollins College	89	49	0	0	0	0	0	0	40	0	0	0
State U System FL Sys Off	701	0	0	701	0	0	0	0	0	0	0	0
Stetson University	68	0	0	0	0	0	0	0	0	0	0	0
University of Central FL	12,802	0	0	3	7,732	7,732	0	0	484	0	0	0
University of Florida	98,495	10,112	0	461	8,569	7,712	745	112	4,170	0	342	950
University of Miami	90,099	95	0	1,271	6,572	6,204	319	49	477	0	1,263	131
University of North FL	489	0	0	0	0	0	0	0	0	0	0	0
University of South FL	34,923	0	0	1,045	15,245	8,541	3,418	3,286	189	0	2,190	145
University of West FL	2,105	0	0	0	1,072	72	0	1,000	0	0	0	0
Georgia, total	276,133	12,364	0	840	45,452	27,578	13,480	4,394	8,046	0	923	3,332
Agnes Scott College	125	49	0	0	0	0	0	0	0	0	0	0
Albany State University	92	0	0	0	0	0	0	0	0	0	0	0
Andrew College	117	0	0	0	0	0	0	0	0	0	0	0
Clark Atlanta University	9,072	146	0	0	3,327	2,718	609	0	394	0	0	0
Emory University	109,625	60	0	0	1,922	1,922	0	0	654	0	345	0
Fort Valley State U	2,119	1,995	0	0	39	39	0	0	52	0	0	0
Georgia Inst of Tech	63,081	0	0	100	33,340	20,715	8,231	4,394	1,162	0	61	1,868
Georgia Southern U	606	0	0	0	0	0	0	0	0	0	0	0
Georgia State University	8,850	0	0	0	0	0	0	0	75	0	149	25
Heart of GA Tech Inst	79	0	0	0	0	0	0	0	0	0	0	0
Inst Paper Sci & Tech	1,762	26	0	0	0	0	0	0	1,736	0	0	0
Kennesaw State University	135	0	0	0	0	0	0	0	0	0	0	0
Medical Col of Georgia	14,181	0	0	0	0	0	0	0	0	0	0	0
Mercer U	6,282	0	0	0	5,466	826	4,640	0	0	0	0	0
Morehouse College	2,099	31	0	0	350	350	0	0	58	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
District of Columbia, total	0	81,195	215	0	135	2,250	110	6,376	7,589	0	193	4,812
American University	0	205	0	0	0	0	0	275	688	0	0	0
Catholic U of America	0	1,264	0	0	0	0	0	2,720	758	0	0	56
Cnsrtm Ocean Rsch & Ed	0	0	0	0	0	0	0	0	29	0	0	0
Gallaudet University	0	97	0	0	0	0	0	0	0	0	0	0
George Washington U	0	21,664	0	0	0	2,205	0	1,576	1,147	0	0	859
Georgetown University	0	47,667	15	0	135	45	0	0	1,160	0	0	3,897
Howard University	0	10,271	200	0	0	0	110	1,805	3,707	0	193	0
University of DC	0	27	0	0	0	0	0	0	100	0	0	0
Florida, total	0	144,109	0	3,468	23	1,070	0	22,273	63,553	148	0	30
Advanced Technology Inst	0	0	0	0	0	0	0	0	0	0	0	0
Bethune Cookman College	0	25	0	0	0	0	0	607	0	0	0	0
Daytona Beach CC	0	487	0	0	0	0	0	0	0	0	0	0
Eckerd College	0	0	0	60	0	0	0	8	8	0	0	0
Edward Waters College	0	0	0	0	0	0	0	50	0	0	0	0
Embry Riddle Aeronautcl U	0	0	0	0	0	0	0	1,438	417	0	0	0
Florida A&M University	0	2,897	0	0	0	0	0	4,735	1,640	0	0	0
Florida Atlantic U	0	1,981	0	107	0	0	0	481	218	0	0	0
Florida Gulf Coast U	0	0	0	0	0	0	0	0	80	0	0	0
Florida Inst of Tech	0	281	0	0	0	0	0	98	413	0	0	0
Florida International U	0	410	0	985	0	0	0	512	1,933	0	0	0
Florida State University	0	7,513	0	300	0	0	0	2,815	26,105	0	0	0
Indian River CC	0	0	0	0	0	0	0	0	168	0	0	0
Nova Southeastern U	0	1,070	0	0	0	0	0	0	369	0	0	0
Rollins College	0	0	0	0	0	0	0	0	0	0	0	0
State U System FL Sys Off	0	0	0	0	0	0	0	0	0	0	0	0
Stetson University	0	0	0	0	0	0	0	0	68	0	0	0
University of Central FL	0	99	0	0	0	1,048	0	867	2,569	0	0	0
University of Florida	0	52,137	0	1,195	23	22	0	3,690	16,676	148	0	0
University of Miami	0	65,217	0	325	0	0	0	4,665	10,083	0	0	0
University of North FL	0	489	0	0	0	0	0	0	0	0	0	0
University of South FL	0	11,503	0	438	0	0	0	1,617	2,521	0	0	30
University of West FL	0	0	0	58	0	0	0	690	285	0	0	0
Georgia, total	0	158,235	0	517	1,692	8	0	9,145	34,837	0	0	742
Agnes Scott College	0	0	0	0	0	0	0	0	76	0	0	0
Albany State University	0	0	0	0	0	0	0	92	0	0	0	0
Andrew College	0	0	0	0	0	0	0	0	117	0	0	0
Clark Atlanta University	0	1,486	0	0	0	0	0	2,199	1,275	0	0	245
Emory University	0	103,946	0	0	17	0	0	0	2,681	0	0	0
Fort Valley State U	0	0	0	33	0	0	0	0	0	0	0	0
Georgia Inst of Tech	0	3,507	0	60	0	0	0	5,346	17,219	0	0	418
Georgia Southern U	0	387	0	0	0	0	0	84	135	0	0	0
Georgia State University	0	7,316	0	0	0	8	0	163	1,114	0	0	0
Heart of GA Tech Inst	0	0	0	0	0	0	0	0	0	0	0	79
Inst Paper Sci & Tech	0	0	0	0	0	0	0	0	0	0	0	0
Kennesaw State University	0	135	0	0	0	0	0	0	0	0	0	0
Medical Col of Georgia	0	14,181	0	0	0	0	0	0	0	0	0	0
Mercer U	0	-816	0	0	0	0	0	0	0	0	0	0
Morehouse College	0	809	0	0	0	0	0	281	570	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Georgia, continued:												
Morehouse School of Med	10,196	0	0	0	0	0	0	0	0	0	0	0
Morris Brown College	476	0	0	0	45	45	0	0	0	0	0	0
North GA Col & State U	44	0	0	0	0	0	0	0	44	0	0	0
Paine College	32	0	0	0	0	0	0	0	0	0	0	0
Savannah State University	741	0	0	0	0	0	0	0	0	0	0	0
Spelman College	1,194	0	0	0	243	243	0	0	0	0	0	0
State U of West Georgia	321	0	0	0	0	0	0	0	0	0	0	0
University Sys of Georgia	9	9	0	0	0	0	0	0	0	0	0	0
University of Georgia	43,673	10,048	0	740	720	720	0	0	3,871	0	368	1,439
Valdosta State University	80	0	0	0	0	0	0	0	0	0	0	0
Wesleyan College (Macon)	1,142	0	0	0	0	0	0	0	0	0	0	0
Hawaii, total	59,945	9,673	0	1,292	4,322	3,873	449	0	2,621	0	330	0
Maui Community College	1,000	0	0	0	0	0	0	0	0	0	0	0
U of Hawaii Hilo	380	0	0	0	0	0	0	0	0	0	0	0
U of Hawaii Manoa	53,754	9,487	0	1,292	4,322	3,873	449	0	715	0	330	0
U of Hawaii System Office	4,811	186	0	0	0	0	0	0	1,906	0	0	0
Idaho, total	17,792	4,167	0	0	2,799	2,670	0	129	3,046	0	0	100
Boise State University	1,272	0	0	0	987	858	0	129	0	0	0	100
Idaho State University	1,041	0	0	0	236	236	0	0	0	0	0	0
University of Idaho	15,479	4,167	0	0	1,576	1,576	0	0	3,046	0	0	0
Illinois, total	498,679	12,423	0	670	43,976	40,567	3,216	193	22,207	0	6,069	3,563
Augustana Col (Rock Isld)	15	0	0	0	0	0	0	0	0	0	0	0
Bradley University	814	0	0	0	0	0	0	0	0	0	0	0
Chicago State University	915	0	0	0	200	200	0	0	0	0	0	0
De Paul University	2,849	78	0	0	0	0	0	0	0	0	0	0
Eastern Illinois U	195	0	0	0	0	0	0	0	0	0	0	0
Elmhurst College	18	0	0	0	0	0	0	0	0	0	0	0
Finch U Hlth Sci/Chic Med	4,064	0	0	0	0	0	0	0	0	0	0	0
Illinois Inst of Tech	5,502	0	0	75	2,611	2,611	0	0	401	0	0	96
Illinois State University	983	0	0	0	0	0	0	0	18	0	113	0
Knox College	188	0	0	0	0	0	0	0	0	0	0	0
Lake Forest College	80	0	0	0	0	0	0	0	0	0	0	0
Loyola U of Chicago	16,187	0	0	0	393	67	326	0	67	0	0	0
Midwestern University	146	0	0	0	0	0	0	0	0	0	0	0
National Col Chiropractic	216	0	0	0	0	0	0	0	0	0	0	0
Northern Illinois U	3,025	0	0	0	898	898	0	0	0	0	0	0
Northwestern University	119,736	0	0	49	13,486	13,114	315	57	4,357	0	2,323	111
Rush University	1,507	0	0	0	1,170	1,170	0	0	0	0	0	0
Southern IL U	314	81	0	0	0	0	0	0	233	0	0	0
Southern IL U Carbondale	7,723	702	0	0	20	20	0	0	409	0	0	0
Southern IL U Edwardsvlle	148	0	0	0	0	0	0	0	0	0	0	0
U of IL Chicago	72,160	0	0	0	1,489	1,164	325	0	1,586	0	3,003	814
U of IL Univ Admin	9,110	0	0	264	0	0	0	0	8,609	0	0	0
U of IL Urbana-Champaign	130,932	11,249	0	282	21,869	19,533	2,250	86	3,435	0	305	2,542
University of Chicago	121,552	263	0	0	1,840	1,790	0	50	3,092	0	175	0
W M Scholl Col Pod Med	100	0	0	0	0	0	0	0	0	0	0	0
Western Illinois U	200	50	0	0	0	0	0	0	0	0	150	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
Georgia, continued:												
Morehouse School of Med	0	10,196	0	0	0	0	0	0	0	0	0	0
Morris Brown College	0	371	0	0	0	0	0	60	0	0	0	0
North GA Col & State U	0	0	0	0	0	0	0	0	0	0	0	0
Paine College	0	32	0	0	0	0	0	0	0	0	0	0
Savannah State University	0	185	0	0	0	0	0	122	434	0	0	0
Spelman College	0	851	0	0	0	0	0	50	50	0	0	0
State U of West Georgia	0	317	0	0	0	0	0	0	4	0	0	0
University Sys of Georgia	0	0	0	0	0	0	0	0	0	0	0	0
University of Georgia	0	13,668	0	424	1,675	0	0	668	10,052	0	0	0
Valdosta State University	0	0	0	0	0	0	0	80	0	0	0	0
Wesleyan College (Macon)	0	32	0	0	0	0	0	0	1,110	0	0	0
Hawaii, total	0	17,436	0	3,099	0	0	1,000	6,022	14,150	0	0	0
Maui Community College	0	0	0	0	0	0	1,000	0	0	0	0	0
U of Hawaii Hilo	0	0	0	380	0	0	0	0	0	0	0	0
U of Hawaii Manoa	0	17,436	0	0	0	0	0	6,022	14,150	0	0	0
U of Hawaii System Office	0	0	0	2,719	0	0	0	0	0	0	0	0
Idaho, total	0	1,821	0	2,716	0	0	0	406	2,737	0	0	0
Boise State University	0	0	0	40	0	0	0	110	35	0	0	0
Idaho State University	0	752	0	13	0	0	0	0	40	0	0	0
University of Idaho	0	1,069	0	2,663	0	0	0	296	2,662	0	0	0
Illinois, total	0	277,500	45	1,562	0	1,189	0	10,188	118,661	0	0	626
Augustana Col (Rock Isld)	0	0	0	0	0	0	0	0	15	0	0	0
Bradley University	0	757	0	0	0	0	0	0	57	0	0	0
Chicago State University	0	512	0	0	0	0	0	0	203	0	0	0
De Paul University	0	2,542	0	0	0	0	0	185	44	0	0	0
Eastern Illinois U	0	46	0	0	0	0	0	0	149	0	0	0
Elmhurst College	0	0	0	0	0	0	0	0	18	0	0	0
Finch U Hlth Sci/Chic Med	0	4,021	0	0	0	0	0	0	43	0	0	0
Illinois Inst of Tech	0	1,829	0	61	0	0	0	0	429	0	0	0
Illinois State University	0	331	0	0	0	0	0	11	510	0	0	0
Knox College	0	0	0	0	0	0	0	0	188	0	0	0
Lake Forest College	0	0	0	0	0	0	0	0	80	0	0	0
Loyola U of Chicago	0	15,015	0	0	0	0	0	0	712	0	0	0
Midwestern University	0	146	0	0	0	0	0	0	0	0	0	0
National Col Chiropractic	0	216	0	0	0	0	0	0	0	0	0	0
Northern Illinois U	0	996	0	0	0	0	0	0	1,131	0	0	0
Northwestern University	0	73,323	0	0	0	189	0	1,701	24,037	0	0	160
Rush University	0	237	0	0	0	0	0	0	100	0	0	0
Southern IL U	0	0	0	0	0	0	0	0	0	0	0	0
Southern IL U Carbondale	0	3,261	0	0	0	0	0	19	3,312	0	0	0
Southern IL U Edwardsvlle	0	0	0	0	0	0	0	0	148	0	0	0
U of IL Chicago	0	56,178	0	0	0	250	0	512	8,328	0	0	0
U of IL Univ Admin	0	237	0	0	0	0	0	0	0	0	0	0
U of IL Urbana-Champaign	0	28,531	30	1,501	0	0	0	3,911	56,811	0	0	466
University of Chicago	0	89,222	15	0	0	750	0	3,849	22,346	0	0	0
W M Scholl Col Pod Med	0	100	0	0	0	0	0	0	0	0	0	0
Western Illinois U	0	0	0	0	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Indiana, total	194,622	9,203	0	307	14,676	13,994	598	84	17,731	0	99	1,049
Ball State University	609	0	0	0	0	0	0	0	0	0	0	0
De Pauw University	80	0	0	0	0	0	0	0	0	0	0	0
Indiana State U All Camp	381	0	0	0	0	0	0	0	0	0	0	0
Indiana U	105,891	171	0	0	1,044	744	300	0	4,509	0	99	174
Manchester College	10	0	0	0	0	0	0	0	0	0	0	0
Natl Cnsrtm Grad Eng Min	331	0	0	0	0	0	0	0	0	0	0	0
Purdue University	67,958	9,032	0	230	10,898	10,516	298	84	8,558	0	0	875
Rose-Hulman Inst of Tech	253	0	0	0	0	0	0	0	0	0	0	0
Taylor University	50	0	0	0	0	0	0	0	0	0	0	0
University of Notre Dame	18,733	0	0	77	2,734	2,734	0	0	4,502	0	0	0
Valparaiso University	170	0	0	0	0	0	0	0	162	0	0	0
Wabash College	156	0	0	0	0	0	0	0	0	0	0	0
Iowa, total	155,122	14,538	0	510	4,607	4,057	325	225	6,144	0	145	1,929
Coe College	115	0	0	0	0	0	0	0	0	0	0	0
Drake University	305	0	0	0	0	0	0	0	0	0	125	0
Eastern Iowa CC	15	0	0	0	0	0	0	0	0	0	0	15
Grinnell College	250	0	0	0	0	0	0	0	0	0	0	0
Iowa State University	38,382	14,346	0	450	642	642	0	0	4,177	0	20	1,121
Kirkwood CC	350	0	0	0	0	0	0	0	0	0	0	0
Loras College	4	0	0	0	0	0	0	0	0	0	0	0
Maharishi U of Mgmt	875	0	0	0	0	0	0	0	0	0	0	0
Palmer Col Chiropractic	629	0	0	0	0	0	0	0	0	0	0	0
University of Iowa	112,647	5	0	60	3,965	3,415	325	225	1,967	0	0	0
University of N Iowa	1,550	187	0	0	0	0	0	0	0	0	0	793
Kansas, total	83,094	5,985	0	475	5,367	4,841	526	0	3,885	0	2,969	4,150
Emporia State University	117	0	0	0	0	0	0	0	0	0	116	0
Haskell Indian Nations U	5	5	0	0	0	0	0	0	0	0	0	0
Kansas State University	25,494	5,980	0	0	2,064	1,841	223	0	3,351	0	0	3,520
Pittsburg St U (Pittsbrg)	53	0	0	0	0	0	0	0	0	0	0	0
University of Kansas	53,485	0	0	425	2,976	2,673	303	0	414	0	2,853	630
Wichita State University	3,940	0	0	50	327	327	0	0	120	0	0	0
Kentucky, total	73,265	7,843	0	0	3,239	3,114	125	0	2,946	0	0	1,359
Kentucky State University	2,478	2,430	0	0	48	48	0	0	0	0	0	0
Midway College	24	0	0	0	0	0	0	0	0	0	0	0
Morehead State University	34	0	0	0	0	0	0	0	0	0	0	0
Murray State University	231	0	0	0	0	0	0	0	0	0	0	0
Northern Kentucky U	24	0	0	0	0	0	0	0	0	0	0	0
Spalding University	308	0	0	0	0	0	0	0	0	0	0	0
U of Kentucky All Cmp	57,646	5,413	0	0	2,170	2,045	125	0	2,713	0	0	859
U of Louisville	11,097	0	0	0	667	667	0	0	233	0	0	0
Western Kentucky U	1,423	0	0	0	354	354	0	0	0	0	0	500
Louisiana, total	133,247	11,817	0	606	27,908	18,135	2,689	7,084	8,202	0	198	7,307
Grambling State U	492	0	0	0	436	436	0	0	0	0	0	0
LA St U All Campuses	78,894	9,483	0	28	20,185	10,492	2,609	7,084	2,185	0	75	4,928
LA St U System Office	501	40	0	28	433	433	0	0	0	0	0	0
LA U Marine Consortium	265	0	0	0	265	265	0	0	0	0	0	0
Louisiana Tech University	1,651	190	0	0	1,003	1,003	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
Indiana, total	0	101,404	15	127	0	0	0	3,631	44,758	1,622	0	0
Ball State University	0	579	0	0	0	0	0	0	30	0	0	0
De Pauw University	0	0	0	0	0	0	0	0	80	0	0	0
Indiana State U All Camp	0	22	0	0	0	0	0	75	284	0	0	0
Indiana U	0	79,363	15	127	0	0	0	1,097	19,292	0	0	0
Manchester College	0	0	0	0	0	0	0	10	0	0	0	0
Natl Cnsrtm Grad Eng Min	0	0	0	0	0	0	0	331	0	0	0	0
Purdue University	0	17,388	0	0	0	0	0	1,627	17,728	1,622	0	0
Rose-Hulman Inst of Tech	0	0	0	0	0	0	0	0	253	0	0	0
Taylor University	0	0	0	0	0	0	0	50	0	0	0	0
University of Notre Dame	0	4,052	0	0	0	0	0	441	6,927	0	0	0
Valparaiso University	0	0	0	0	0	0	0	0	8	0	0	0
Wabash College	0	0	0	0	0	0	0	0	156	0	0	0
Iowa, total	0	103,186	0	347	0	0	0	8,985	14,164	0	0	567
Coe College	0	0	0	0	0	0	0	0	115	0	0	0
Drake University	0	85	0	0	0	0	0	25	70	0	0	0
Eastern Iowa CC	0	0	0	0	0	0	0	0	0	0	0	0
Grinnell College	0	0	0	0	0	0	0	0	250	0	0	0
Iowa State University	0	9,088	0	327	0	0	0	910	7,301	0	0	0
Kirkwood CC	0	350	0	0	0	0	0	0	0	0	0	0
Loras College	0	0	0	0	0	0	0	0	4	0	0	0
Maharishi U of Mgmt	0	875	0	0	0	0	0	0	0	0	0	0
Palmer Col Chiropractic	0	629	0	0	0	0	0	0	0	0	0	0
University of Iowa	0	91,609	0	20	0	0	0	8,030	6,424	0	0	567
University of N Iowa	0	550	0	0	0	0	0	20	0	0	0	0
Kansas, total	0	40,825	0	710	0	0	0	4,185	14,418	0	0	125
Emporia State University	0	0	0	1	0	0	0	0	0	0	0	0
Haskell Indian Nations U	0	0	0	0	0	0	0	0	0	0	0	0
Kansas State University	0	4,025	0	453	0	0	0	792	5,184	0	0	125
Pittsburg St U (Pittsbrg)	0	0	0	0	0	0	0	0	53	0	0	0
University of Kansas	0	35,652	0	256	0	0	0	1,679	8,600	0	0	0
Wichita State University	0	1,148	0	0	0	0	0	1,714	581	0	0	0
Kentucky, total	0	46,913	25	289	0	0	0	1,480	9,171	0	0	0
Kentucky State University	0	0	0	0	0	0	0	0	0	0	0	0
Midway College	0	24	0	0	0	0	0	0	0	0	0	0
Morehead State University	0	34	0	0	0	0	0	0	0	0	0	0
Murray State University	0	95	0	0	0	0	0	0	136	0	0	0
Northern Kentucky U	0	0	0	0	0	0	0	0	24	0	0	0
Spalding University	0	308	0	0	0	0	0	0	0	0	0	0
U of Kentucky All Cmp	0	37,472	0	221	0	0	0	639	8,159	0	0	0
U of Louisville	0	8,980	25	0	0	0	0	340	852	0	0	0
Western Kentucky U	0	0	0	68	0	0	0	501	0	0	0	0
Louisiana, total	0	60,553	0	4,131	2	0	0	3,815	8,708	0	0	0
Grambling State U	0	26	0	30	0	0	0	0	0	0	0	0
LA St U All Campuses	0	31,519	0	3,863	0	0	0	1,953	4,675	0	0	0
LA St U System Office	0	0	0	0	0	0	0	0	0	0	0	0
LA U Marine Consortium	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana Tech University	0	0	0	0	0	0	0	0	458	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Louisiana, continued:												
McNeese State University	1,268	0	0	0	0	0	0	0	0	0	0	1,268
Nicholls State University	550	0	0	550	0	0	0	0	0	0	0	0
Southeastern Louisiana U	87	0	0	0	0	0	0	0	20	0	0	0
Southern U A&M All Cmp	6,328	1,781	0	0	1,034	1,034	0	0	405	0	0	962
Tulane University	39,517	289	0	0	4,221	4,141	80	0	5,098	0	123	99
U of Louisiana Lafayette	2,793	34	0	0	230	230	0	0	396	0	0	0
U of Louisiana at Monroe	178	0	0	0	0	0	0	0	0	0	0	0
Xavier U of Louisiana	723	0	0	0	101	101	0	0	98	0	0	50
Maine, total	16,331	3,958	0	1,203	3,357	3,120	237	0	73	0	0	702
Bates College	365	0	0	0	0	0	0	0	0	0	0	0
Bowdoin College	145	0	0	0	0	0	0	0	0	0	0	0
Colby College	479	0	0	0	15	15	0	0	0	0	0	0
College of the Atlantic	50	0	0	0	0	0	0	0	0	0	0	50
U of Maine	14,134	3,958	0	1,203	3,342	3,105	237	0	73	0	0	652
U of New England	270	0	0	0	0	0	0	0	0	0	0	0
U of Southern Maine	888	0	0	0	0	0	0	0	0	0	0	0
Maryland, total	827,086	8,046	0	5,427	221,009	44,129	31,354	145,526	11,080	0	770	6,038
Allegany Col of MD	5	0	0	0	0	0	0	0	0	0	0	0
Bowie State University	1,028	0	0	0	99	0	0	99	0	0	0	0
Charles County CC	20	0	0	0	0	0	0	0	0	0	0	0
Goucher College	4	0	0	0	0	0	0	0	0	0	0	0
Johns Hopkins University	618,353	927	0	188	199,815	24,270	30,118	145,427	2,905	0	555	2,125
Loyola College	395	0	0	0	20	20	0	0	0	0	0	0
Morgan State University	4,277	0	0	0	1,046	1,046	0	0	0	0	0	171
St Mary's Col of MD	27	27	0	0	0	0	0	0	0	0	0	0
Towson University	66	0	0	0	0	0	0	0	0	0	0	0
U Sys of MD Headquarters	3,087	0	0	700	2,294	2,071	223	0	0	0	0	0
U of Baltimore	150	0	0	0	150	150	0	0	0	0	0	0
U of MD Baltimore	77,942	142	0	75	712	311	401	0	147	0	0	87
U of MD Baltimore County	10,753	12	0	0	1,524	1,524	0	0	0	0	0	0
U of MD Biotech Inst	2,641	0	0	354	0	0	0	0	100	0	0	0
U of MD College Park	96,092	5,146	0	4,093	10,649	10,037	612	0	7,878	0	215	363
U of MD Ctr for Env Sci	7,063	140	0	17	1,490	1,490	0	0	0	0	0	3,292
U of MD Eastern Shore	2,284	1,437	0	0	780	780	0	0	50	0	0	0
U of MD University Col	2,755	215	0	0	2,430	2,430	0	0	0	0	0	0
US Naval Academy	144	0	0	0	0	0	0	0	0	0	0	0
Massachusetts, total	854,425	6,109	0	1,666	113,152	100,343	8,703	4,106	76,322	0	4,716	4,834
Amherst College	988	0	0	0	0	0	0	0	0	0	0	0
Bentley College	44	0	0	0	0	0	0	0	0	0	0	0
Boston College	11,634	0	0	0	3,184	2,496	688	0	395	0	0	0
Boston University	124,968	190	0	312	12,572	11,536	1,036	0	3,100	0	1,130	2,484
Brandeis University	21,114	0	0	0	506	506	0	0	1,177	0	0	0
Clark University	2,913	10	0	0	105	105	0	0	265	0	0	483
Col of Our Lady of Elms	4	0	0	0	0	0	0	0	0	0	0	0
Col of the Holy Cross	54	0	0	0	0	0	0	0	0	0	0	0
Five Colleges Inc	24	0	0	0	0	0	0	0	0	0	0	0
Hampshire College	150	0	0	0	0	0	0	0	0	0	0	0
Harvard University	229,546	813	0	138	11,045	10,672	373	0	6,598	0	2,672	1,029

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
Louisiana, continued:												
McNeese State University	0	0	0	0	0	0	0	0	0	0	0	0
Nicholls State University	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern Louisiana U	0	0	0	0	0	0	0	0	67	0	0	0
Southern U A&M All Cmp	0	1,058	0	0	0	0	0	1,032	56	0	0	0
Tulane University	0	26,764	0	0	2	0	0	444	2,477	0	0	0
U of Louisiana Lafayette	0	1,008	0	238	0	0	0	174	713	0	0	0
U of Louisiana at Monroe	0	178	0	0	0	0	0	0	0	0	0	0
Xavier U of Louisiana	0	0	0	0	0	0	0	212	262	0	0	0
Maine, total	0	1,773	0	300	0	0	0	1,048	3,917	0	0	0
Bates College	0	98	0	0	0	0	0	0	267	0	0	0
Bowdoin College	0	33	0	0	0	0	0	0	112	0	0	0
Colby College	0	111	0	0	0	0	0	0	353	0	0	0
College of the Atlantic	0	0	0	0	0	0	0	0	0	0	0	0
U of Maine	0	485	0	300	0	0	0	1,048	3,073	0	0	0
U of New England	0	181	0	0	0	0	0	0	89	0	0	0
U of Southern Maine	0	865	0	0	0	0	0	0	23	0	0	0
Maryland, total	0	390,333	15	510	2,500	698	0	130,917	43,357	442	0	5,944
Allegany Col of MD	0	0	0	0	0	0	0	0	5	0	0	0
Bowie State University	0	38	0	0	0	0	0	656	235	0	0	0
Charles County CC	0	0	0	0	0	0	0	20	0	0	0	0
Goucher College	0	0	0	0	0	0	0	0	4	0	0	0
Johns Hopkins University	0	298,125	0	0	2,500	648	0	90,188	15,374	52	0	4,951
Loyola College	0	0	0	0	0	0	0	0	375	0	0	0
Morgan State University	0	941	0	0	0	0	0	1,439	315	0	0	365
St Mary's Col of MD	0	0	0	0	0	0	0	0	0	0	0	0
Towson University	0	0	0	0	0	0	0	15	51	0	0	0
U Sys of MD Headquarters	0	93	0	0	0	0	0	0	0	0	0	0
U of Baltimore	0	0	0	0	0	0	0	0	0	0	0	0
U of MD Baltimore	0	75,715	0	0	0	0	0	0	894	0	0	170
U of MD Baltimore County	0	3,162	0	0	0	0	0	4,482	1,573	0	0	0
U of MD Biotech Inst	0	0	0	0	0	0	0	96	2,091	0	0	0
U of MD College Park	0	12,259	15	365	0	50	0	33,956	20,255	390	0	458
U of MD Ctr for Env Sci	0	0	0	100	0	0	0	0	2,024	0	0	0
U of MD Eastern Shore	0	0	0	0	0	0	0	0	17	0	0	0
U of MD University Col	0	0	0	45	0	0	0	65	0	0	0	0
US Naval Academy	0	0	0	0	0	0	0	0	144	0	0	0
Massachusetts, total	0	449,999	35	480	1,860	2,176	0	43,523	147,426	0	1,262	865
Amherst College	0	130	0	0	0	0	0	0	858	0	0	0
Bentley College	0	0	0	0	0	0	0	0	44	0	0	0
Boston College	0	3,780	0	54	0	0	0	212	2,759	0	1,250	0
Boston University	0	87,690	0	10	0	0	0	5,068	12,412	0	0	0
Brandeis University	0	16,161	0	0	0	0	0	405	2,853	0	12	0
Clark University	0	410	0	0	0	0	0	154	1,486	0	0	0
Col of Our Lady of Elms	0	0	0	0	0	0	0	0	4	0	0	0
Col of the Holy Cross	0	0	0	0	0	0	0	0	54	0	0	0
Five Colleges Inc	0	0	0	0	0	0	0	24	0	0	0	0
Hampshire College	0	0	0	0	0	0	0	0	150	0	0	0
Harvard University	0	177,475	20	0	1,860	2,176	0	5,529	20,163	0	0	28

See explanatory information, if any, and SOURCE at end of table.

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Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Massachusetts, continued:												
Holyoke Community College	214	0	0	0	0	0	0	0	0	0	214	0
MA Bay Community College	69	0	0	0	0	0	0	0	0	0	0	0
MA Inst of Technology	242,731	0	0	384	58,208	52,138	3,680	2,390	59,481	0	0	0
MGH Inst Hlth Professions	108	0	0	0	0	0	0	0	0	0	108	0
Merrimack College	75	0	0	0	0	0	0	0	0	0	0	0
Mount Holyoke College	648	0	0	0	0	0	0	0	85	0	0	0
New Eng Col of Optometry	944	0	0	0	0	0	0	0	0	0	0	0
Northeastern University	17,843	0	0	0	5,588	4,118	1,470	0	607	0	0	0
Radcliffe College	406	0	0	0	203	203	0	0	0	0	0	0
Simmons College	814	0	0	0	0	0	0	0	0	0	0	0
Smith College	755	0	0	0	3	3	0	0	0	0	0	0
Springfield Col (Sprgfld)	114	0	0	0	0	0	0	0	0	0	0	0
Springfield Tech CC	223	0	0	0	0	0	0	0	0	0	223	0
Suffolk University	100	0	0	0	0	0	0	0	0	0	0	0
Tufts University	42,181	196	0	152	933	933	0	0	1,493	0	0	402
U of MA Amherst	34,256	3,932	0	189	2,995	2,995	0	0	2,060	0	9	10
U of MA Boston	5,738	0	0	72	2,194	1,874	320	0	120	0	360	126
U of MA Central Office	142	142	0	0	0	0	0	0	0	0	0	0
U of MA Dartmouth	1,378	757	0	87	100	100	0	0	0	0	0	0
U of MA Lowell	5,104	0	0	0	1,836	652	310	874	301	0	0	300
U of MA Worcester	52,561	0	0	0	838	838	0	0	0	0	0	0
Wellesley College	1,544	0	0	0	0	0	0	0	0	0	0	0
Wentworth Inst of Tech	664	0	0	0	664	0	664	0	0	0	0	0
Wheelock College	76	0	0	0	0	0	0	0	0	0	0	0
Williams College	1,287	0	0	0	0	0	0	0	0	0	0	0
Woods Hole Ocean Inst	50,211	0	0	332	11,932	10,928	162	842	284	0	0	0
Worcester Polytech Inst	2,800	69	0	0	246	246	0	0	356	0	0	0
Michigan, total	450,411	14,478	5	2,351	33,880	24,824	8,754	302	16,963	0	5,412	14,704
Albion College	114	0	0	0	0	0	0	0	0	0	0	0
Alma College	33	0	0	0	0	0	0	0	0	0	0	0
Andrews University	85	0	0	0	0	0	0	0	0	0	0	0
Calvin College	186	0	0	0	0	0	0	0	0	0	0	0
Central Michigan U	128	0	0	0	0	0	0	0	0	0	0	0
Cnsrtm Intl Erth Sci Info	2,111	0	0	0	0	0	0	0	0	0	0	0
Eastern Michigan U	628	0	0	0	0	0	0	0	0	0	0	0
Grand Valley State U	105	12	0	0	0	0	0	0	0	0	0	0
Hope College	499	0	0	0	0	0	0	0	0	0	0	0
Kalamazoo College	165	0	0	0	0	0	0	0	0	0	0	0
Kettering University	55	0	0	0	0	0	0	0	0	0	0	0
Lawrence Technological U	121	0	0	0	0	0	0	0	0	0	0	0
Michigan State University	77,360	13,009	0	0	3,639	3,639	0	0	4,624	0	314	1,580
Michigan Tech University	12,590	734	0	159	1,497	1,497	0	0	2,646	0	0	2,263
Northern Michigan U	28	0	0	0	0	0	0	0	0	0	0	0
Oakland University	2,938	0	0	0	50	0	0	50	0	0	0	0
Siena Heights University	50	50	0	0	0	0	0	0	0	0	0	0
U of Detroit Mercy	322	0	0	0	190	0	0	190	0	0	0	30
U of Michigan	288,635	673	0	2,192	24,417	17,826	6,529	62	8,361	0	3,994	10,141
Wayne State University	61,832	0	5	0	4,052	1,827	2,225	0	780	0	895	605
Western Michigan U	2,426	0	0	0	35	35	0	0	552	0	209	85

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
Massachusetts, continued:												
Holyoke Community College	0	0	0	0	0	0	0	0	0	0	0	0
MA Bay Community College	0	0	0	0	0	0	0	0	69	0	0	0
MA Inst of Technology	0	56,434	15	100	0	0	0	27,316	40,145	0	0	648
MGH Inst Hlth Professions	0	0	0	0	0	0	0	0	0	0	0	0
Merrimack College	0	75	0	0	0	0	0	0	0	0	0	0
Mount Holyoke College	0	37	0	0	0	0	0	0	526	0	0	0
New Eng Col of Optometry	0	944	0	0	0	0	0	0	0	0	0	0
Northeastern University	0	5,198	0	0	0	0	0	1,330	5,111	0	0	9
Radcliffe College	0	195	0	0	0	0	0	0	8	0	0	0
Simmons College	0	814	0	0	0	0	0	0	0	0	0	0
Smith College	0	603	0	0	0	0	0	0	149	0	0	0
Springfield Col (Sprgfld)	0	114	0	0	0	0	0	0	0	0	0	0
Springfield Tech CC	0	0	0	0	0	0	0	0	0	0	0	0
Suffolk University	0	0	0	0	0	0	0	0	100	0	0	0
Tufts University	0	36,082	0	0	0	0	0	286	2,637	0	0	0
U of MA Amherst	0	8,323	0	187	0	0	0	1,006	15,470	0	0	75
U of MA Boston	0	2,041	0	0	0	0	0	0	825	0	0	0
U of MA Central Office	0	0	0	0	0	0	0	0	0	0	0	0
U of MA Dartmouth	0	109	0	0	0	0	0	325	0	0	0	0
U of MA Lowell	0	1,580	0	0	0	0	0	0	1,087	0	0	0
U of MA Worcester	0	50,848	0	0	0	0	0	629	246	0	0	0
Wellesley College	0	557	0	0	0	0	0	61	926	0	0	0
Wentworth Inst of Tech	0	0	0	0	0	0	0	0	0	0	0	0
Wheelock College	0	0	0	0	0	0	0	0	76	0	0	0
Williams College	0	298	0	0	0	0	0	0	989	0	0	0
Woods Hole Ocean Inst	0	0	0	129	0	0	0	1,022	36,512	0	0	0
Worcester Polytech Inst	0	101	0	0	0	0	0	156	1,767	0	0	105
Michigan, total	0	269,026	0	158	0	623	50	10,269	80,354	0	1,250	888
Albion College	0	0	0	0	0	0	0	0	114	0	0	0
Alma College	0	0	0	0	0	0	0	0	33	0	0	0
Andrews University	0	0	0	0	0	0	0	0	85	0	0	0
Calvin College	0	156	0	0	0	0	0	0	30	0	0	0
Central Michigan U	0	68	0	0	0	0	0	0	60	0	0	0
Cnsrtm Intl Erth Sci Info	0	0	0	0	0	0	0	2,111	0	0	0	0
Eastern Michigan U	0	88	0	0	0	25	0	0	515	0	0	0
Grand Valley State U	0	90	0	0	0	0	0	3	0	0	0	0
Hope College	0	0	0	0	0	0	0	0	499	0	0	0
Kalamazoo College	0	101	0	0	0	0	0	0	64	0	0	0
Kettering University	0	0	0	0	0	0	0	55	0	0	0	0
Lawrence Technological U	0	0	0	0	0	0	0	0	121	0	0	0
Michigan State University	0	21,567	0	0	0	140	0	2,058	30,394	0	0	35
Michigan Tech University	0	148	0	101	0	0	0	858	4,184	0	0	0
Northern Michigan U	0	0	0	0	0	0	0	0	28	0	0	0
Oakland University	0	2,266	0	0	0	0	0	0	622	0	0	0
Siena Heights University	0	0	0	0	0	0	0	0	0	0	0	0
U of Detroit Mercy	0	0	0	0	0	0	0	0	102	0	0	0
U of Michigan	0	194,308	0	57	0	458	50	4,922	36,959	0	1,250	853
Wayne State University	0	49,271	0	0	0	0	0	212	6,012	0	0	0
Western Michigan U	0	963	0	0	0	0	0	50	532	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Minnesota, total	201,588	7,786	0	678	15,462	14,905	547	10	6,829	0	782	1,766
Augsburg College	162	0	0	0	0	0	0	0	0	0	0	0
Bemidji State University	53	0	0	0	0	0	0	0	0	0	0	0
Carleton College	244	0	0	0	0	0	0	0	0	0	0	0
College of St Benedict	490	0	0	0	490	490	0	0	0	0	0	0
College of St Scholastica	81	0	0	0	0	0	0	0	0	0	0	0
Concordia Col Moorhead	3	0	0	0	0	0	0	0	0	0	0	0
Fond du Lac Tribal & CC	127	127	0	0	0	0	0	0	0	0	0	0
Gustavus Adolphus College	132	0	0	0	0	0	0	0	0	0	0	0
Leech Lake Tribal College	19	0	0	0	0	0	0	0	0	0	0	0
Macalester College	167	0	0	0	0	0	0	0	0	0	0	0
Mesabi Range Cmty&Tech	261	0	0	0	0	0	0	0	0	0	0	0
Minnesota State U-Mankato	131	0	0	0	0	0	0	0	0	0	0	0
Moorhead State University	36	6	0	0	0	0	0	0	0	0	0	0
St Cloud State University	175	0	0	0	0	0	0	0	0	0	0	0
St Mary's U of Minnesota	51	0	0	0	0	0	0	0	0	0	0	0
St Olaf College	451	0	0	0	0	0	0	0	0	0	0	0
U of Minnesota	198,771	7,653	0	678	14,972	14,415	547	10	6,829	0	782	1,766
U of St Thomas (St Paul)	179	0	0	0	0	0	0	0	0	0	0	0
Winona State University	55	0	0	0	0	0	0	0	0	0	0	0
Mississippi, total	74,649	17,061	0	3,249	11,223	9,382	1,604	237	7,617	0	985	323
Alcorn State University	2,762	2,393	0	0	0	0	0	0	0	0	0	0
Delta State University	42	42	0	0	0	0	0	0	0	0	0	0
Gulf Coast Ed Intv Cnsrtm	100	0	0	0	0	0	0	0	0	0	0	0
Jackson State University	5,415	0	0	0	574	574	0	0	160	0	0	0
Millsaps College	130	0	0	0	0	0	0	0	0	0	0	0
Mississippi AL Sea Grant	182	0	0	182	0	0	0	0	0	0	0	0
Mississippi College	35	0	0	0	0	0	0	0	0	0	0	0
Mississippi Rsch Cnstrm	3,761	0	0	0	0	0	0	0	0	0	0	0
Mississippi State U	38,083	11,717	0	0	5,222	3,755	1,422	45	6,648	0	985	207
Mississippi Valley St U	212	0	0	0	0	0	0	0	0	0	0	0
Rust College	50	0	0	0	50	0	0	50	0	0	0	0
Tougaloo College	71	0	0	0	0	0	0	0	0	0	0	0
U of Mississippi	15,687	2,099	0	0	2,477	2,295	182	0	511	0	0	0
U of Southern Mississippi	8,119	810	0	3,067	2,900	2,758	0	142	298	0	0	116
Missouri, total	300,116	10,693	0	85	10,381	9,447	934	0	4,356	0	2,091	2,922
Avila College	121	0	0	0	0	0	0	0	0	0	0	0
Central Missouri St U	48	48	0	0	0	0	0	0	0	0	0	0
Columbia Col (Columbia)	50	0	0	0	0	0	0	0	0	0	0	0
Kirksville Col Osteo Med	277	50	0	0	0	0	0	0	0	0	0	0
Lincoln U (Jeffersn City)	1,877	1,877	0	0	0	0	0	0	0	0	0	0
Southeast Missouri St U	222	44	0	0	0	0	0	0	0	0	0	0
Southwest Missouri St U	147	0	0	0	0	0	0	0	0	0	0	0
St Louis University	22,738	0	0	0	134	134	0	0	0	0	0	0
Truman State University	35	0	0	0	0	0	0	0	0	0	0	0
U of Missouri Columbia	44,012	8,320	0	44	1,794	860	934	0	1,276	0	1,145	2,622
U of Missouri Kansas City	7,142	0	0	0	904	904	0	0	151	0	0	0
U of Missouri Rolla	5,555	0	0	0	1,489	1,489	0	0	789	0	0	0
U of Missouri St Louis	3,848	0	0	0	570	570	0	0	0	0	0	0
U of Missouri Sys Admin	1,193	80	0	0	18	18	0	0	0	0	946	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
Minnesota, total	0	131,800	0	562	0	46	0	3,170	32,503	0	0	204
Augsburg College	0	0	0	0	0	0	0	0	162	0	0	0
Bemidji State University	0	0	0	0	0	0	0	0	53	0	0	0
Carleton College	0	96	0	0	0	0	0	0	148	0	0	0
College of St Benedict	0	0	0	0	0	0	0	0	0	0	0	0
College of St Scholastica	0	81	0	0	0	0	0	0	0	0	0	0
Concordia Col Moorhead	0	0	0	0	0	0	0	3	0	0	0	0
Fond du Lac Tribal & CC	0	0	0	0	0	0	0	0	0	0	0	0
Gustavus Adolphus College	0	0	0	0	0	0	0	0	132	0	0	0
Leech Lake Tribal College	0	0	0	0	0	0	0	0	19	0	0	0
Macalester College	0	83	0	0	0	0	0	0	84	0	0	0
Mesabi Range Cmty&Tech	0	0	0	0	0	0	0	0	261	0	0	0
Minnesota State U-Mankato	0	131	0	0	0	0	0	0	0	0	0	0
Moorhead State University	0	0	0	0	0	0	0	30	0	0	0	0
St Cloud State University	0	0	0	0	0	0	0	43	132	0	0	0
St Mary's U of Minnesota	0	0	0	51	0	0	0	0	0	0	0	0
St Olaf College	0	0	0	0	0	0	0	0	451	0	0	0
U of Minnesota	0	131,409	0	511	0	46	0	3,039	30,882	0	0	204
U of St Thomas (St Paul)	0	0	0	0	0	0	0	0	179	0	0	0
Winona State University	0	0	0	0	0	0	0	55	0	0	0	0
Mississippi, total	0	13,317	0	801	0	0	0	12,200	7,873	0	0	0
Alcorn State University	0	86	0	0	0	0	0	283	0	0	0	0
Delta State University	0	0	0	0	0	0	0	0	0	0	0	0
Gulf Coast Ed Intv Cnsrtm	0	0	0	0	0	0	0	100	0	0	0	0
Jackson State University	0	3,261	0	0	0	0	0	378	1,042	0	0	0
Millsaps College	0	105	0	0	0	0	0	0	25	0	0	0
Mississippi AL Sea Grant	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi College	0	0	0	0	0	0	0	0	35	0	0	0
Mississippi Rsch Cnstrm	0	0	0	0	0	0	0	3,761	0	0	0	0
Mississippi State U	0	455	0	411	0	0	0	7,183	5,255	0	0	0
Mississippi Valley St U	0	0	0	0	0	0	0	212	0	0	0	0
Rust College	0	0	0	0	0	0	0	0	0	0	0	0
Tougaloo College	0	71	0	0	0	0	0	0	0	0	0	0
U of Mississippi	0	9,099	0	380	0	0	0	195	926	0	0	0
U of Southern Mississippi	0	240	0	10	0	0	0	88	590	0	0	0
Missouri, total	0	241,174	0	977	0	0	0	4,865	22,557	0	0	15
Avila College	0	0	0	0	0	0	0	0	121	0	0	0
Central Missouri St U	0	0	0	0	0	0	0	0	0	0	0	0
Columbia Col (Columbia)	0	0	0	0	0	0	0	0	50	0	0	0
Kirksville Col Osteo Med	0	227	0	0	0	0	0	0	0	0	0	0
Lincoln U (Jeffersn City)	0	0	0	0	0	0	0	0	0	0	0	0
Southeast Missouri St U	0	0	0	0	0	0	0	0	178	0	0	0
Southwest Missouri St U	0	0	0	0	0	0	0	0	147	0	0	0
St Louis University	0	22,347	0	0	0	0	0	24	233	0	0	0
Truman State University	0	0	0	0	0	0	0	0	35	0	0	0
U of Missouri Columbia	0	19,194	0	975	0	0	0	664	7,978	0	0	0
U of Missouri Kansas City	0	5,734	0	0	0	0	0	0	353	0	0	0
U of Missouri Rolla	0	255	0	0	0	0	0	401	2,621	0	0	0
U of Missouri St Louis	0	2,510	0	0	0	0	0	19	749	0	0	0
U of Missouri Sys Admin	0	149	0	0	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Missouri, continued:												
Washington University	212,817	274	0	41	5,472	5,472	0	0	2,140	0	0	300
Webster University	34	0	0	0	0	0	0	0	0	0	0	0
Montana, total	34,570	4,762	0	4,739	4,541	4,111	430	0	985	0	817	886
Carroll College (Helena)	9	9	0	0	0	0	0	0	0	0	0	0
Montana State U Billings	6,948	52	0	0	0	0	0	0	110	0	0	0
Montana State U Bozeman	18,208	3,624	0	4,739	3,352	3,352	0	0	50	0	142	590
Montana Tech of U of MT	806	0	0	0	283	283	0	0	75	0	0	246
Montana U Sys-Sys Off	114	0	0	0	0	0	0	0	0	0	0	0
Salish Kootenai College	10	10	0	0	0	0	0	0	0	0	0	0
U of Montana, The	8,475	1,067	0	0	906	476	430	0	750	0	675	50
Nebraska, total	49,505	8,395	0	83	4,254	3,789	465	0	705	0	148	0
Creighton University	4,045	250	0	83	115	115	0	0	143	0	0	0
Peru State College	10	0	0	0	0	0	0	0	0	0	0	0
U of Nebraska Ctrl Admin	578	103	0	0	0	0	0	0	327	0	148	0
U of Nebraska Kearney	14	0	0	0	0	0	0	0	0	0	0	0
U of Nebraska Lincoln	26,686	8,042	0	0	3,108	3,108	0	0	0	0	0	0
U of Nebraska Med Ctr	16,858	0	0	0	616	305	311	0	0	0	0	0
U of Nebraska Omaha	1,314	0	0	0	415	261	154	0	235	0	0	0
Nevada, total	30,274	2,433	0	558	1,163	1,163	0	0	5,903	0	0	1,021
Desert Research Institute	4,876	35	0	0	630	630	0	0	1,931	0	0	0
U & CC Sys of NV SO	3,795	23	0	558	264	264	0	0	1,375	0	0	190
U of Nevada Las Vegas	5,448	553	0	0	0	0	0	0	1,590	0	0	0
U of Nevada Reno	16,155	1,822	0	0	269	269	0	0	1,007	0	0	831
New Hampshire, total	68,716	2,108	0	495	6,103	5,616	177	310	739	0	150	939
Dartmouth College	43,893	30	0	450	2,783	2,606	177	0	130	0	0	939
U System of NH Sys Off	3,470	0	0	0	3,320	3,010	0	310	0	0	150	0
U of NH Durham	21,284	2,078	0	45	0	0	0	0	540	0	0	0
U of NH at Manchester	69	0	0	0	0	0	0	0	69	0	0	0
New Jersey, total	225,963	7,017	0	4,026	24,889	22,701	1,238	950	17,259	0	150	6,268
Burlington County College	160	0	0	0	160	160	0	0	0	0	0	0
College of N Jersey, The	279	0	0	0	0	0	0	0	0	0	0	0
Drew University	196	0	0	0	0	0	0	0	0	0	0	0
Kean University	36	0	0	0	0	0	0	0	0	0	0	0
Monmouth University	46	0	0	0	0	0	0	0	0	0	0	0
Montclair St University	11	0	0	0	0	0	0	0	0	0	0	0
New Jersey City U	768	0	0	0	0	0	0	0	0	0	0	0
New Jersey Inst of Tech	8,010	0	0	0	504	429	75	0	209	0	0	4,277
Princeton University	77,473	0	0	1,149	12,680	11,810	870	0	7,961	0	0	0
Rider University	206	0	0	0	0	0	0	0	0	0	0	0
Rowan University	107	0	0	0	0	0	0	0	0	0	0	0
Rutgers St U of NJ	73,853	7,017	0	2,759	8,563	8,312	0	251	4,684	0	0	0
Seton Hall University	156	0	0	0	0	0	0	0	0	0	0	0
Stevens Institute of Tech	4,185	0	0	118	2,689	1,990	0	699	90	0	0	0
U of Med & Dent of NJ	60,402	0	0	0	293	0	293	0	4,315	0	150	1,991
William Paterson U of NJ	75	0	0	0	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
Missouri, continued:												
Washington University	0	190,758	0	2	0	0	0	3,757	10,058	0	0	15
Webster University	0	0	0	0	0	0	0	0	34	0	0	0
Montana, total	0	5,912	0	1,190	0	0	0	2,230	8,408	0	0	100
Carroll College (Helena)	0	0	0	0	0	0	0	0	0	0	0	0
Montana State U Billings	0	0	0	281	0	0	0	0	6,505	0	0	0
Montana State U Bozeman	0	4,085	0	431	0	0	0	1,195	0	0	0	0
Montana Tech of U of MT	0	202	0	0	0	0	0	0	0	0	0	0
Montana U Sys-Sys Off	0	0	0	0	0	0	0	0	114	0	0	0
Salish Kootenai College	0	0	0	0	0	0	0	0	0	0	0	0
U of Montana, The	0	1,625	0	478	0	0	0	1,035	1,789	0	0	100
Nebraska, total	0	23,381	0	233	2,500	86	0	2,071	7,531	0	0	118
Creighton University	0	3,319	0	0	0	0	0	0	135	0	0	0
Peru State College	0	0	0	0	0	0	0	0	10	0	0	0
U of Nebraska Ctrl Admin	0	0	0	0	0	0	0	0	0	0	0	0
U of Nebraska Kearney	0	0	0	0	0	0	0	14	0	0	0	0
U of Nebraska Lincoln	0	3,957	0	233	2,500	0	0	1,557	7,171	0	0	118
U of Nebraska Med Ctr	0	16,087	0	0	0	0	0	0	155	0	0	0
U of Nebraska Omaha	0	18	0	0	0	86	0	500	60	0	0	0
Nevada, total	0	9,699	0	869	0	252	0	656	7,652	0	0	68
Desert Research Institute	0	0	0	7	0	0	0	151	2,122	0	0	0
U & CC Sys of NV SO	0	0	0	230	0	0	0	0	1,155	0	0	0
U of Nevada Las Vegas	0	295	0	246	0	0	0	308	2,413	0	0	43
U of Nevada Reno	0	9,404	0	386	0	252	0	197	1,962	0	0	25
New Hampshire, total	0	34,290	0	74	0	1,427	0	9,522	11,432	0	0	1,437
Dartmouth College	0	31,813	0	0	0	0	0	1,255	6,493	0	0	0
U System of NH Sys Off	0	0	0	0	0	0	0	0	0	0	0	0
U of NH Durham	0	2,477	0	74	0	1,427	0	8,267	4,939	0	0	1,437
U of NH at Manchester	0	0	0	0	0	0	0	0	0	0	0	0
New Jersey, total	0	98,128	30	67	0	0	0	9,707	57,423	0	308	691
Burlington County College	0	0	0	0	0	0	0	0	0	0	0	0
College of N Jersey, The	0	0	0	0	0	0	0	0	279	0	0	0
Drew University	0	117	0	0	0	0	0	0	79	0	0	0
Kean University	0	36	0	0	0	0	0	0	0	0	0	0
Monmouth University	0	0	0	0	0	0	0	0	46	0	0	0
Montclair St University	0	0	0	0	0	0	0	0	11	0	0	0
New Jersey City U	0	768	0	0	0	0	0	0	0	0	0	0
New Jersey Inst of Tech	0	0	0	0	0	0	0	533	2,345	0	0	142
Princeton University	0	21,085	0	67	0	0	0	5,858	28,673	0	0	0
Rider University	0	206	0	0	0	0	0	0	0	0	0	0
Rowan University	0	0	0	0	0	0	0	107	0	0	0	0
Rutgers St U of NJ	0	23,859	30	0	0	0	0	2,849	23,992	0	0	100
Seton Hall University	0	156	0	0	0	0	0	0	0	0	0	0
Stevens Institute of Tech	0	0	0	0	0	0	0	17	1,271	0	0	0
U of Med & Dent of NJ	0	51,901	0	0	0	0	0	343	652	0	308	449
William Paterson U of NJ	0	0	0	0	0	0	0	0	75	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
New Mexico, total	96,959	4,075	0	0	20,481	15,358	449	4,674	9,962	0	0	3,189
College of Santa Fe	130	0	0	0	0	0	0	0	0	0	0	0
New Mexico Highlands U	4,300	0	0	0	807	807	0	0	3,193	0	0	0
New Mexico Inst Mining	6,230	0	0	0	3,409	298	0	3,111	1,369	0	0	0
New Mexico St U	21,081	4,049	0	0	2,074	982	100	992	986	0	0	100
U of New Mexico	65,097	26	0	0	14,104	13,184	349	571	4,414	0	0	3,089
Western New Mexico U	121	0	0	0	87	87	0	0	0	0	0	0
New York, total	1,153,179	17,152	0	6,652	63,239	51,835	4,768	6,636	62,761	0	7,731	4,790
Adelphi University	4	0	0	0	0	0	0	0	0	0	0	0
Albany Col of Pharmacy	668	0	0	0	0	0	0	0	0	0	0	0
Albany Medical College	7,223	0	0	0	320	320	0	0	0	0	0	0
Alfred University	1,868	0	0	65	939	939	0	0	596	0	0	0
Bank Street Col of Ed	238	0	0	0	0	0	0	0	0	0	238	0
Barnard College	1,509	0	0	0	120	120	0	0	0	0	0	0
CUNY Bernard Baruch Col	386	0	0	0	181	181	0	0	0	0	0	0
CUNY Brooklyn College	1,684	0	0	0	621	621	0	0	0	0	0	0
CUNY City College	8,351	0	0	0	687	687	0	0	991	0	0	0
CUNY Col Staten Island	710	0	0	0	0	0	0	0	0	0	0	0
CUNY Grad Schl & U Ctr	1,006	0	0	0	0	0	0	0	0	0	0	0
CUNY Herbert H Lehman Col	692	0	0	0	0	0	0	0	40	0	0	0
CUNY Hunter College	5,921	0	0	0	399	385	0	14	196	0	125	0
CUNY J Jay Col Crim Just	619	0	0	0	0	0	0	0	0	0	0	0
CUNY Laguardia CC	512	0	0	0	0	0	0	0	0	0	0	0
CUNY Medgar Evers College	32	0	0	0	0	0	0	0	0	0	0	0
CUNY Mt Sinai Schl of Med	81,293	0	0	0	628	628	0	0	113	0	1,173	0
CUNY NY City Tech Col	345	0	0	0	0	0	0	0	0	0	0	0
CUNY Queens College	1,891	0	0	0	80	80	0	0	0	0	0	0
CUNY System Office	1,204	10	0	0	551	551	0	0	0	0	0	0
CUNY York College	316	0	0	0	64	64	0	0	0	0	0	0
Christ the King Seminary	20	0	0	0	0	0	0	0	0	0	0	0
Clarkson University	3,666	0	0	0	706	706	0	0	45	0	0	127
Colgate University	757	0	0	0	0	0	0	0	0	0	0	0
Columbia U Central Off	6,641	0	0	5,722	479	479	0	0	276	0	0	0
Columbia U City New York	220,561	0	0	0	7,554	6,116	1,378	60	7,927	0	0	117
Cornell University	196,006	15,905	0	197	15,723	15,195	528	0	3,863	0	250	261
D'Youville College	5	0	0	0	0	0	0	0	0	0	0	0
Dowling College	64	0	0	0	0	0	0	0	0	0	0	0
Fordham University	1,681	0	0	0	0	0	0	0	0	0	195	0
Hamilton College	103	0	0	0	0	0	0	0	0	0	0	0
Hofstra University	373	0	0	0	176	176	0	0	0	0	0	0
Iona College	99	0	0	0	0	0	0	0	0	0	0	0
Ithaca College	432	0	0	0	0	0	0	0	0	0	0	0
Long Island University	322	0	0	0	269	269	0	0	0	0	0	0
Manhattan College	3	0	0	0	0	0	0	0	0	0	0	0
Marymount Col (Tarrytown)	32	0	0	0	0	0	0	0	0	0	0	0
Mater Dei College	20	0	0	0	0	0	0	0	0	0	0	0
Mercy Col (Dobbs Ferry)	101	0	0	0	0	0	0	0	0	0	0	0
NY Inst of Tech	399	0	0	0	303	120	0	183	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
New Mexico, total	0	31,588	0	836	0	63	0	16,079	10,292	0	0	394
College of Santa Fe	0	0	0	0	0	0	0	130	0	0	0	0
New Mexico Highlands U	0	0	0	0	0	0	0	0	300	0	0	0
New Mexico Inst Mining	0	107	0	0	0	0	0	79	1,266	0	0	0
New Mexico St U	0	372	0	761	0	0	0	9,664	2,915	0	0	160
U of New Mexico	0	31,109	0	75	0	63	0	6,206	5,777	0	0	234
Western New Mexico U	0	0	0	0	0	0	0	0	34	0	0	0
New York, total	0	793,030	30	1,459	0	677	0	28,307	166,883	267	48	153
Adelphi University	0	0	0	0	0	0	0	0	4	0	0	0
Albany Col of Pharmacy	0	668	0	0	0	0	0	0	0	0	0	0
Albany Medical College	0	6,803	0	0	0	0	0	0	100	0	0	0
Alfred University	0	110	0	0	0	0	0	0	158	0	0	0
Bank Street Col of Ed	0	0	0	0	0	0	0	0	0	0	0	0
Barnard College	0	685	0	0	0	0	0	36	668	0	0	0
CUNY Bernard Baruch Col	0	128	0	0	0	0	0	0	77	0	0	0
CUNY Brooklyn College	0	564	0	0	0	0	0	130	369	0	0	0
CUNY City College	0	3,407	0	0	0	0	0	2,053	1,213	0	0	0
CUNY Col Staten Island	0	565	0	0	0	0	0	0	145	0	0	0
CUNY Grad Schl & U Ctr	0	986	0	0	0	0	0	0	20	0	0	0
CUNY Herbert H Lehman Col	0	234	0	0	0	0	0	0	418	0	0	0
CUNY Hunter College	0	4,364	0	0	0	0	0	112	725	0	0	0
CUNY J Jay Col Crim Just	0	619	0	0	0	0	0	0	0	0	0	0
CUNY Laguardia CC	0	512	0	0	0	0	0	0	0	0	0	0
CUNY Medgar Evers College	0	32	0	0	0	0	0	0	0	0	0	0
CUNY Mt Sinai Schl of Med	0	78,616	0	0	0	0	0	763	0	0	0	0
CUNY NY City Tech Col	0	345	0	0	0	0	0	0	0	0	0	0
CUNY Queens College	0	1,476	0	0	0	0	0	0	335	0	0	0
CUNY System Office	0	0	0	0	0	0	0	50	362	124	0	107
CUNY York College	0	252	0	0	0	0	0	0	0	0	0	0
Christ the King Seminary	0	0	0	0	0	0	0	0	20	0	0	0
Clarkson University	0	457	0	275	0	0	0	320	1,736	0	0	0
Colgate University	0	0	0	0	0	0	0	0	757	0	0	0
Columbia U Central Off	0	0	0	164	0	0	0	0	0	0	0	0
Columbia U City New York	0	161,035	0	0	0	164	0	10,983	32,781	0	0	0
Cornell University	0	97,253	15	653	0	0	0	4,504	57,382	0	0	0
D'Youville College	0	0	0	0	0	0	0	0	5	0	0	0
Dowling College	0	0	0	0	0	0	0	0	64	0	0	0
Fordham University	0	1,051	0	0	0	0	0	0	435	0	0	0
Hamilton College	0	103	0	0	0	0	0	0	0	0	0	0
Hofstra University	0	26	0	0	0	0	0	125	46	0	0	0
Iona College	0	0	0	0	0	0	0	11	88	0	0	0
Ithaca College	0	166	0	0	0	0	0	0	266	0	0	0
Long Island University	0	0	0	0	0	0	0	0	53	0	0	0
Manhattan College	0	0	0	0	0	0	0	0	3	0	0	0
Marymount Col (Tarrytown)	0	32	0	0	0	0	0	0	0	0	0	0
Mater Dei College	0	0	0	0	0	0	0	0	20	0	0	0
Mercy Col (Dobbs Ferry)	0	101	0	0	0	0	0	0	0	0	0	0
NY Inst of Tech	0	0	0	0	0	0	0	0	96	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
New York, continued:												
NY Medical College	12,681	0	0	0	0	0	0	0	0	0	0	0
NY University	104,293	120	0	302	4,952	3,387	1,565	0	2,816	0	248	2,439
New School University	547	0	0	0	0	0	0	0	0	0	0	0
Niagara University	101	0	0	0	0	0	0	0	0	0	0	0
Pace University	413	0	0	0	0	0	0	0	200	0	0	0
Paul Smiths Col Arts Sci	9	9	0	0	0	0	0	0	0	0	0	0
Polytechnic University	2,186	0	0	22	259	259	0	0	155	0	0	0
Rensselaer Polytech Inst	17,512	0	0	151	4,097	4,097	0	0	2,176	0	0	674
Rochester Inst Technology	1,521	0	0	0	0	0	0	0	0	0	0	0
Rockefeller University	43,843	0	0	0	324	324	0	0	933	0	0	0
SUNY Cayuga County CC	450	0	0	0	0	0	0	0	0	0	0	0
SUNY Col Brockport	43	0	0	0	0	0	0	0	0	0	0	0
SUNY Col Buffalo	1,932	0	0	0	965	790	117	58	813	0	0	0
SUNY Col Cortland	20	0	0	0	0	0	0	0	0	0	0	0
SUNY Col Env Sci & Forest	920	560	0	0	0	0	0	0	0	0	0	0
SUNY Col Fredonia	44	0	0	0	0	0	0	0	0	0	0	0
SUNY Col Geneseo	76	0	0	0	0	0	0	0	38	0	0	0
SUNY Col Old Westbury	407	0	0	0	0	0	0	0	0	0	0	0
SUNY Col Oswego	196	0	0	0	0	0	0	0	0	0	0	0
SUNY Col of Optometry	874	0	0	0	0	0	0	0	0	0	0	0
SUNY Hlth Sci Ctr Brklyn	19,207	0	0	0	0	0	0	0	0	0	0	0
SUNY Purchase Col	185	0	0	0	0	0	0	0	0	0	0	0
SUNY System Office	4,772	20	0	0	1,215	1,140	0	75	289	0	2,928	0
SUNY Upstate Medical Univ	9,999	0	0	0	0	0	0	0	0	0	0	0
SUNY at Albany	19,526	102	0	0	189	189	0	0	1,101	0	2,500	394
SUNY at Binghamton	8,668	50	0	24	5,680	34	0	5,646	126	0	0	96
SUNY at Buffalo	32,716	100	0	0	680	680	0	0	35	0	0	0
SUNY at New Paltz	57	0	0	0	0	0	0	0	0	0	0	0
SUNY at Stony Brook	77,176	226	0	169	4,538	4,538	0	0	6,754	0	0	682
Siena College (Loudnvl)	180	0	0	0	0	0	0	0	0	0	0	0
Skidmore College	53	0	0	0	0	0	0	0	0	0	0	0
St Johns University (NY)	1,309	0	0	0	0	0	0	0	0	0	0	0
St Lawrence University	50	0	0	0	0	0	0	0	0	0	0	0
Syracuse University	16,690	0	0	0	3,907	3,127	180	600	541	0	0	0
Teachers Col Columbia U	1,503	0	0	0	0	0	0	0	0	0	74	0
Union Col (Schenectady)	342	50	0	0	0	0	0	0	0	0	0	0
University of Rochester	129,792	0	0	0	6,482	5,482	1,000	0	32,737	0	0	0
Vassar College	190	0	0	0	96	96	0	0	0	0	0	0
Yeshiva University NY	94,939	0	0	0	55	55	0	0	0	0	0	0
North Carolina, total	518,993	16,005	0	2,074	50,825	35,649	12,000	3,176	10,946	0	7,272	10,417
Appalachian St University	294	0	0	0	0	0	0	0	0	0	174	5
Bennett Col (Greensboro)	179	0	0	0	151	151	0	0	0	0	0	0
Campbell University	90	0	0	0	0	0	0	0	0	0	0	0
Central Piedmont CC	247	0	0	0	0	0	0	0	0	0	247	0
Davidson College	265	0	0	0	0	0	0	0	0	0	0	0
Duke University	198,849	1,000	0	193	19,915	10,174	9,184	557	5,931	0	1,025	621
East Carolina University	4,087	0	0	0	526	15	511	0	0	0	0	0
Elizabeth City State U	1,048	0	0	0	344	344	0	0	423	0	0	0
Fayetteville State U	140	0	0	0	77	77	0	0	25	0	0	0
Johnson C Smith U	385	0	0	0	120	120	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
New York, continued:												
NY Medical College	0	12,463	0	0	0	0	0	0	218	0	0	0
NY University	0	84,659	0	0	0	0	0	383	8,328	0	0	46
New School University	0	480	0	0	0	0	0	0	67	0	0	0
Niagara University	0	101	0	0	0	0	0	0	0	0	0	0
Pace University	0	213	0	0	0	0	0	0	0	0	0	0
Paul Smiths Col Arts Sci	0	0	0	0	0	0	0	0	0	0	0	0
Polytechnic University	0	0	0	0	0	0	0	123	1,627	0	0	0
Rensselaer Polytech Inst	0	781	0	120	0	0	0	2,008	7,362	143	0	0
Rochester Inst Technology	0	1,045	0	0	0	0	0	410	66	0	0	0
Rockefeller University	0	42,117	0	0	0	0	0	0	469	0	0	0
SUNY Cayuga County CC	0	0	0	0	0	0	0	450	0	0	0	0
SUNY Col Brockport	0	0	0	0	0	0	0	0	43	0	0	0
SUNY Col Buffalo	0	0	0	0	0	0	0	154	0	0	0	0
SUNY Col Cortland	0	0	0	0	0	0	0	0	20	0	0	0
SUNY Col Env Sci & Forest	0	188	0	0	0	0	0	50	122	0	0	0
SUNY Col Fredonia	0	0	0	0	0	0	0	0	44	0	0	0
SUNY Col Geneseo	0	0	0	0	0	0	0	0	38	0	0	0
SUNY Col Old Westbury	0	391	0	0	0	0	0	0	16	0	0	0
SUNY Col Oswego	0	196	0	0	0	0	0	0	0	0	0	0
SUNY Col of Optometry	0	874	0	0	0	0	0	0	0	0	0	0
SUNY Hlth Sci Ctr Brklyn	0	19,027	0	0	0	0	0	0	180	0	0	0
SUNY Purchase Col	0	0	0	0	0	0	0	185	0	0	0	0
SUNY System Office	0	0	0	0	0	0	0	0	320	0	0	0
SUNY Upstate Medical Univ	0	9,667	0	55	0	0	0	0	277	0	0	0
SUNY at Albany	0	10,225	15	182	0	463	0	1,446	2,861	0	48	0
SUNY at Binghamton	0	1,635	0	0	0	0	0	0	1,057	0	0	0
SUNY at Buffalo	0	23,401	0	0	0	0	0	229	8,271	0	0	0
SUNY at New Paltz	0	0	0	0	0	0	0	0	57	0	0	0
SUNY at Stony Brook	0	43,206	0	10	0	0	0	2,429	19,162	0	0	0
Siena College (Loudnvl)	0	0	0	0	0	0	0	0	180	0	0	0
Skidmore College	0	0	0	0	0	0	0	0	53	0	0	0
St Johns University (NY)	0	1,160	0	0	0	0	0	0	149	0	0	0
St Lawrence University	0	0	0	0	0	0	0	0	50	0	0	0
Syracuse University	0	5,834	0	0	0	50	0	464	5,894	0	0	0
Teachers Col Columbia U	0	1,052	0	0	0	0	0	0	377	0	0	0
Union Col (Schenectady)	0	0	0	0	0	0	0	0	292	0	0	0
University of Rochester	0	79,645	0	0	0	0	0	856	10,072	0	0	0
Vassar College	0	89	0	0	0	0	0	0	5	0	0	0
Yeshiva University NY	0	93,991	0	0	0	0	0	33	860	0	0	0
North Carolina, total	0	366,918	15	1,294	0	500	0	8,498	42,525	0	0	1,704
Appalachian St University	0	0	0	0	0	0	0	0	115	0	0	0
Bennett Col (Greensboro)	0	28	0	0	0	0	0	0	0	0	0	0
Campbell University	0	90	0	0	0	0	0	0	0	0	0	0
Central Piedmont CC	0	0	0	0	0	0	0	0	0	0	0	0
Davidson College	0	0	0	0	0	0	0	0	265	0	0	0
Duke University	0	153,340	0	0	0	0	0	1,114	15,445	0	0	265
East Carolina University	0	3,165	0	0	0	0	0	0	396	0	0	0
Elizabeth City State U	0	92	0	0	0	0	0	189	0	0	0	0
Fayetteville State U	0	0	0	0	0	0	0	0	38	0	0	0
Johnson C Smith U	0	265	0	0	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
North Carolina, continued:												
Livingstone College	83	0	0	0	83	83	0	0	0	0	0	0
NC Ag & Tech State U	9,679	2,528	0	0	1,425	1,355	0	70	200	0	0	0
NC Central University	652	58	0	0	50	50	0	0	0	0	0	0
NC State U	55,175	11,563	0	662	15,406	12,090	767	2,549	2,817	0	854	1,333
Shaw University	50	50	0	0	0	0	0	0	0	0	0	0
St Augustines College	92	0	0	0	0	0	0	0	0	0	0	0
U of NC Asheville	83	2	0	0	0	0	0	0	50	0	0	0
U of NC Chapel Hill	182,700	370	0	84	10,862	9,925	937	0	1,500	0	4,503	8,458
U of NC Charlotte	2,819	0	0	233	978	978	0	0	0	0	185	0
U of NC General Admin Off	10	0	0	0	0	0	0	0	0	0	0	0
U of NC Greensboro	1,216	100	0	0	59	59	0	0	0	0	284	0
U of NC Pembroke	4	4	0	0	0	0	0	0	0	0	0	0
U of NC Wilmington	2,379	142	0	902	154	154	0	0	0	0	0	0
Wake Forest University	57,503	175	0	0	675	74	601	0	0	0	0	0
Western Carolina U	193	13	0	0	0	0	0	0	0	0	0	0
Winston Salem State U	771	0	0	0	0	0	0	0	0	0	0	0
North Dakota, total	22,168	5,906	0	560	1,535	1,415	120	0	6,360	0	0	1,100
Jamestown College	65	0	0	0	0	0	0	0	0	0	0	0
Minot State University	560	0	0	560	0	0	0	0	0	0	0	0
North Dakota St U	9,091	4,598	0	0	1,535	1,415	120	0	72	0	0	125
U of North Dakota	12,452	1,308	0	0	0	0	0	0	6,288	0	0	975
Ohio, total	384,494	8,357	0	355	39,348	36,459	2,405	482	8,680	0	2,251	4,345
Baldwin Wallace College	12	0	0	0	0	0	0	0	0	0	0	0
Bowling Gr St U	2,046	0	0	0	239	239	0	0	0	0	0	0
Case Western Reserve U	151,057	81	0	0	3,615	2,977	527	111	808	0	373	0
Cleveland State U	3,415	0	0	0	0	0	0	0	0	0	0	0
College of Wooster	180	49	0	0	0	0	0	0	0	0	0	0
Cuyahoga CC	328	0	0	0	0	0	0	0	0	0	0	0
Denison University	69	0	0	0	0	0	0	0	50	0	0	0
John Carroll University	447	0	0	0	32	32	0	0	0	0	0	0
Kent State U	7,609	0	0	0	116	116	0	0	265	0	372	0
Kenyon College	112	0	0	0	0	0	0	0	0	0	0	0
Medical College of Ohio	8,213	0	0	0	0	0	0	0	0	0	0	90
Miami University All Cmp	2,573	3	0	0	54	54	0	0	39	0	0	50
Mt Vernon Nazarene Col	26	0	0	0	0	0	0	0	0	0	0	0
Northeastern OH U Col Med	1,323	0	0	0	0	0	0	0	0	0	0	0
Oberlin College	498	0	0	0	0	0	0	0	0	0	0	0
Ohio Northern University	7	0	0	0	0	0	0	0	0	0	0	0
Ohio State U	101,336	8,020	0	318	7,375	6,401	710	264	5,682	0	748	748
Ohio University	6,804	0	0	37	1,053	887	166	0	438	0	0	50
Ohio Wesleyan University	185	0	0	0	0	0	0	0	0	0	0	0
Otterbein College	75	0	0	0	0	0	0	0	0	0	0	0
Southwstrn OH Cncl Hi Ed	1,031	0	0	0	1,031	1,031	0	0	0	0	0	0
U of Akron	4,004	0	0	0	118	118	0	0	622	0	0	0
U of Cincinnati	58,169	204	0	0	3,897	3,296	601	0	301	0	0	2,443
U of Dayton	20,410	0	0	0	19,667	19,209	351	107	0	0	0	0
U of Toledo	4,342	0	0	0	601	601	0	0	108	0	134	0
Wilberforce University	185	0	0	0	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
North Carolina, continued:												
Livingstone College	0	0	0	0	0	0	0	0	0	0	0	0
NC Ag & Tech State U	0	0	0	0	0	0	0	3,276	2,250	0	0	0
NC Central University	0	524	0	0	0	0	0	0	20	0	0	0
NC State U	0	8,087	0	1,071	0	0	0	2,301	10,382	0	0	699
Shaw University	0	0	0	0	0	0	0	0	0	0	0	0
St Augustines College	0	92	0	0	0	0	0	0	0	0	0	0
U of NC Asheville	0	0	0	0	0	0	0	0	31	0	0	0
U of NC Chapel Hill	0	144,758	15	0	0	0	0	1,337	10,073	0	0	740
U of NC Charlotte	0	529	0	0	0	0	0	55	839	0	0	0
U of NC General Admin Off	0	0	0	10	0	0	0	0	0	0	0	0
U of NC Greensboro	0	452	0	0	0	0	0	0	321	0	0	0
U of NC Pembroke	0	0	0	0	0	0	0	0	0	0	0	0
U of NC Wilmington	0	150	0	203	0	0	0	30	798	0	0	0
Wake Forest University	0	54,623	0	0	0	500	0	148	1,382	0	0	0
Western Carolina U	0	0	0	10	0	0	0	0	170	0	0	0
Winston Salem State U	0	723	0	0	0	0	0	48	0	0	0	0
North Dakota, total	0	2,097	0	65	0	0	0	1,794	2,546	0	0	205
Jamestown College	0	0	0	65	0	0	0	0	0	0	0	0
Minot State University	0	0	0	0	0	0	0	0	0	0	0	0
North Dakota St U	0	972	0	0	0	0	0	20	1,564	0	0	205
U of North Dakota	0	1,125	0	0	0	0	0	1,774	982	0	0	0
Ohio, total	0	261,806	0	367	0	80	4,000	15,471	37,709	0	0	1,727
Baldwin Wallace College	0	0	0	0	0	0	0	0	12	0	0	0
Bowling Gr St U	0	1,111	0	0	0	0	0	0	696	0	0	0
Case Western Reserve U	0	138,048	0	30	0	0	0	3,164	4,938	0	0	0
Cleveland State U	0	1,265	0	0	0	0	0	1,764	386	0	0	0
College of Wooster	0	0	0	0	0	0	0	0	131	0	0	0
Cuyahoga CC	0	306	0	0	0	0	0	22	0	0	0	0
Denison University	0	0	0	0	0	0	0	15	4	0	0	0
John Carroll University	0	0	0	0	0	0	0	0	415	0	0	0
Kent State U	0	2,341	0	0	0	0	0	213	4,302	0	0	0
Kenyon College	0	0	0	0	0	0	0	0	112	0	0	0
Medical College of Ohio	0	7,944	0	0	0	0	0	0	179	0	0	0
Miami University All Cmp	0	802	0	120	0	0	0	89	1,416	0	0	0
Mt Vernon Nazarene Col	0	0	0	0	0	0	0	26	0	0	0	0
Northeastern OH U Col Med	0	1,323	0	0	0	0	0	0	0	0	0	0
Oberlin College	0	0	0	0	0	0	0	0	498	0	0	0
Ohio Northern University	0	0	0	0	0	0	0	7	0	0	0	0
Ohio State U	0	52,601	0	217	0	0	4,000	6,170	15,457	0	0	0
Ohio University	0	1,485	0	0	0	0	0	318	1,735	0	0	1,688
Ohio Wesleyan University	0	0	0	0	0	0	0	0	185	0	0	0
Otterbein College	0	0	0	0	0	0	0	0	75	0	0	0
Southwstrn OH Cncl Hi Ed	0	0	0	0	0	0	0	0	0	0	0	0
U of Akron	0	391	0	0	0	0	0	1,110	1,763	0	0	0
U of Cincinnati	0	46,906	0	0	0	80	0	533	3,766	0	0	39
U of Dayton	0	0	0	0	0	0	0	256	487	0	0	0
U of Toledo	0	1,399	0	0	0	0	0	1,594	506	0	0	0
Wilberforce University	0	0	0	0	0	0	0	105	80	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Ohio, continued:												
Wittenberg University	135	0	0	0	0	0	0	0	0	0	0	0
Wright State U	9,903	0	0	0	1,548	1,498	50	0	367	0	624	964
Oklahoma, total	68,552	11,624	0	983	8,043	4,770	596	2,677	3,481	0	0	1,807
East Central University	485	10	0	0	0	0	0	0	0	0	0	0
Langston University	1,820	1,820	0	0	0	0	0	0	0	0	0	0
Murray State College	64	0	0	0	0	0	0	0	0	0	0	0
Northeastern State U	117	0	0	0	0	0	0	0	0	0	0	0
Oklahoma St U	22,276	9,757	0	0	4,124	1,380	67	2,677	931	0	0	284
Oral Roberts University	48	0	0	0	0	0	0	0	0	0	0	0
Southeastern OK St U	184	0	0	0	124	124	0	0	0	0	0	0
U of Central Oklahoma	5	5	0	0	0	0	0	0	0	0	0	0
U of Oklahoma	41,488	32	0	983	3,396	2,867	529	0	1,968	0	0	1,523
U of Tulsa	2,065	0	0	0	399	399	0	0	582	0	0	0
Oregon, total	169,153	11,470	0	2,594	16,654	16,179	221	254	3,802	0	3,697	6,681
Lewis & Clark College	270	0	0	0	0	0	0	0	0	0	0	0
Linn Benton Community Col	200	0	0	0	0	0	0	0	0	0	0	0
Oregon Grad Inst Sci Tech	11,154	0	0	0	3,606	3,459	147	0	645	0	0	301
Oregon Hlth Sciences U	65,477	0	0	0	4,787	4,787	0	0	0	0	720	0
Oregon State University	61,707	11,402	0	2,594	6,285	5,957	74	254	1,229	0	0	6,146
Pacific University	20	0	0	0	0	0	0	0	0	0	0	0
Portland State U (OR)	2,651	0	0	0	108	108	0	0	0	0	980	234
Reed College	467	0	0	0	10	10	0	0	0	0	0	0
Southern Oregon U	51	0	0	0	0	0	0	0	0	0	0	0
University of Oregon	26,376	68	0	0	1,858	1,858	0	0	1,928	0	1,667	0
University of Portland	99	0	0	0	0	0	0	0	0	0	0	0
Western Oregon University	396	0	0	0	0	0	0	0	0	0	330	0
Western States Chiro Col	280	0	0	0	0	0	0	0	0	0	0	0
Willamette University	5	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania, total	881,525	11,207	227	862	126,678	88,008	18,776	19,894	20,738	0	5,078	6,384
Albright College	50	0	0	0	0	0	0	0	0	0	0	0
Allegheny College	415	0	0	0	0	0	0	0	0	0	0	0
Allegheny U Hlth Sciences	35,491	0	0	0	808	425	383	0	0	0	200	0
Bloomsburg U of PA	26	0	0	0	0	0	0	0	0	0	0	0
Bryn Mawr College	661	0	0	0	25	25	0	0	0	0	0	0
Bucknell University	671	0	0	0	0	0	0	0	0	0	0	0
California U of PA	78	0	0	0	0	0	0	0	0	0	0	0
Carlow College	98	0	0	0	0	0	0	0	0	0	0	0
Carnegie Mellon U	86,367	0	75	35	34,285	28,754	5,031	500	3,871	0	0	1,295
Cedar Crest College	182	0	0	0	0	0	0	0	0	0	0	0
Clarion U of PA	14	0	0	0	0	0	0	0	0	0	0	0
Dickinson College	14	0	0	0	0	0	0	0	0	0	0	0
Drexel University	11,142	0	0	61	419	419	0	0	275	0	0	0
Duquesne University	1,770	130	0	0	0	0	0	0	0	0	0	89
Franklin & Marshall Col	566	0	0	0	0	0	0	0	0	0	0	0
Haverford College	705	0	0	0	0	0	0	0	0	0	0	0
Immaculata College	38	0	0	0	0	0	0	0	0	0	0	0
Indiana U of PA	91	0	0	0	0	0	0	0	0	0	0	0
Juniata College	118	0	0	0	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
Ohio, continued:												
Wittenberg University	0	0	0	0	0	0	0	0	135	0	0	0
Wright State U	0	5,884	0	0	0	0	0	85	431	0	0	0
Oklahoma, total	0	26,519	0	338	0	167	0	2,112	13,279	0	0	199
East Central University	0	475	0	0	0	0	0	0	0	0	0	0
Langston University	0	0	0	0	0	0	0	0	0	0	0	0
Murray State College	0	0	0	0	0	0	0	64	0	0	0	0
Northeastern State U	0	117	0	0	0	0	0	0	0	0	0	0
Oklahoma St U	0	2,009	0	267	0	0	0	763	4,141	0	0	0
Oral Roberts University	0	0	0	0	0	0	0	48	0	0	0	0
Southeastern OK St U	0	60	0	0	0	0	0	0	0	0	0	0
U of Central Oklahoma	0	0	0	0	0	0	0	0	0	0	0	0
U of Oklahoma	0	23,534	0	0	0	167	0	1,237	8,449	0	0	199
U of Tulsa	0	324	0	71	0	0	0	0	689	0	0	0
Oregon, total	0	84,157	0	4,804	0	0	0	5,169	29,224	458	0	443
Lewis & Clark College	0	270	0	0	0	0	0	0	0	0	0	0
Linn Benton Community Col	0	200	0	0	0	0	0	0	0	0	0	0
Oregon Grad Inst Sci Tech	0	2,712	0	0	0	0	0	53	3,837	0	0	0
Oregon Hlth Sciences U	0	59,331	0	0	0	0	0	68	571	0	0	0
Oregon State University	0	8,382	0	4,782	0	0	0	4,871	15,115	458	0	443
Pacific University	0	0	0	0	0	0	0	0	20	0	0	0
Portland State U (OR)	0	1,070	0	0	0	0	0	11	248	0	0	0
Reed College	0	0	0	0	0	0	0	0	457	0	0	0
Southern Oregon U	0	0	0	0	0	0	0	0	51	0	0	0
University of Oregon	0	11,747	0	22	0	0	0	166	8,920	0	0	0
University of Portland	0	99	0	0	0	0	0	0	0	0	0	0
Western Oregon University	0	66	0	0	0	0	0	0	0	0	0	0
Western States Chiro Col	0	280	0	0	0	0	0	0	0	0	0	0
Willamette University	0	0	0	0	0	0	0	0	5	0	0	0
Pennsylvania, total	0	583,471	144	1,481	0	447	760	16,857	105,045	900	0	1,246
Albright College	0	0	0	0	0	0	0	0	50	0	0	0
Allegheny College	0	0	0	0	0	0	0	90	325	0	0	0
Allegheny U Hlth Sciences	0	33,657	0	0	0	0	0	0	826	0	0	0
Bloomsburg U of PA	0	0	0	0	0	0	0	26	0	0	0	0
Bryn Mawr College	0	228	0	0	0	0	0	0	408	0	0	0
Bucknell University	0	0	0	0	0	0	0	0	671	0	0	0
California U of PA	0	0	0	78	0	0	0	0	0	0	0	0
Carlow College	0	98	0	0	0	0	0	0	0	0	0	0
Carnegie Mellon U	0	10,322	129	0	0	0	0	3,655	31,869	0	0	831
Cedar Crest College	0	0	0	0	0	0	0	0	182	0	0	0
Clarion U of PA	0	0	0	0	0	0	0	14	0	0	0	0
Dickinson College	0	0	0	0	0	0	0	0	14	0	0	0
Drexel University	0	2,411	0	0	0	0	0	956	6,820	0	0	200
Duquesne University	0	962	0	0	0	0	0	0	589	0	0	0
Franklin & Marshall Col	0	0	0	0	0	0	0	80	486	0	0	0
Haverford College	0	0	0	0	0	0	0	0	705	0	0	0
Immaculata College	0	38	0	0	0	0	0	0	0	0	0	0
Indiana U of PA	0	0	0	10	0	0	0	0	81	0	0	0
Juniata College	0	26	0	0	0	0	0	0	92	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Pennsylvania, continued:												
Lafayette College	200	0	0	0	0	0	0	0	0	0	0	0
Lebanon Valley College	73	0	0	0	0	0	0	0	0	0	0	0
Lehigh University	10,393	0	0	35	3,869	3,767	0	102	972	0	0	0
Lincoln U (Linc U PA)	1,052	0	0	0	600	600	0	0	0	0	0	0
Moravian College	14	0	0	0	0	0	0	0	0	0	0	0
Muhlenberg College	6	0	0	0	0	0	0	0	0	0	0	0
PA Col of Optometry	590	0	0	0	0	0	0	0	0	0	0	0
PA St U University Park	176,520	9,863	152	397	63,089	37,004	7,132	18,953	6,271	0	357	4,611
Phila Col Osteopathic Med	200	0	0	0	0	0	0	0	0	0	0	0
Phila Col of Pharm & Sci	292	0	0	0	0	0	0	0	0	0	0	0
Phila Col of Text & Sci	77	0	0	0	77	77	0	0	0	0	0	0
Shippensburg U of PA	10	0	0	0	0	0	0	0	0	0	0	0
St Francis Col (Loretto)	2,971	0	0	0	2,931	0	2,931	0	0	0	0	0
St Joseph's University	165	0	0	0	0	0	0	0	0	0	0	0
Susquehanna University	34	0	0	0	0	0	0	0	0	0	0	0
Swarthmore College	1,134	0	0	0	0	0	0	0	0	0	0	0
Temple University	24,473	0	0	0	817	817	0	0	321	0	0	0
Thomas Jefferson U	55,172	0	0	0	330	330	0	0	0	0	373	0
U of Pennsylvania	273,583	985	0	240	9,540	6,532	2,669	339	6,105	0	3,324	389
U of Pittsburgh	193,491	179	0	94	8,739	8,109	630	0	2,923	0	824	0
U of the Arts, The	20	0	0	0	0	0	0	0	0	0	0	0
Villanova University	2,333	0	0	0	1,099	1,099	0	0	0	0	0	0
West Chester U of PA	64	0	0	0	0	0	0	0	0	0	0	0
Widener U All Campuses	61	0	0	0	0	0	0	0	0	0	0	0
Wilkes University	100	50	0	0	50	50	0	0	0	0	0	0
Rhode Island, total	62,663	1,771	0	3,420	8,597	7,909	547	141	2,351	0	0	524
Brown University	40,398	170	0	0	6,287	5,738	492	57	2,301	0	0	199
U of Rhode Island	22,265	1,601	0	3,420	2,310	2,171	55	84	50	0	0	325
South Carolina, total	114,629	6,163	0	800	21,383	8,245	2,750	10,388	20,480	0	178	778
Benedict College	801	0	0	0	0	0	0	0	0	0	0	0
Clemson University	23,763	4,383	0	0	5,307	3,844	0	1,463	5,920	0	0	617
College of Charleston	1,035	0	0	0	13	13	0	0	0	0	0	0
Florence-Dringtn Tech Col	350	0	0	350	0	0	0	0	0	0	0	0
Furman University	37	0	0	0	0	0	0	0	3	0	0	0
Medical U of S Carolina	54,600	212	0	0	9,625	700	0	8,925	10,702	0	0	161
SC Sea Grant Consortium	150	0	0	150	0	0	0	0	0	0	0	0
SC State University	2,157	1,388	0	0	162	162	0	0	171	0	0	0
U of SC All Campuses	31,731	180	0	300	6,276	3,526	2,750	0	3,684	0	178	0
Wofford College	5	0	0	0	0	0	0	0	0	0	0	0
South Dakota, total	8,747	3,001	0	0	582	470	112	0	50	0	0	275
Augustana Col (Sioux Fls)	70	50	0	0	0	0	0	0	0	0	0	0
Black Hills State U	115	0	0	0	0	0	0	0	0	0	0	0
SD School Mines & Tech	2,282	0	0	0	112	0	112	0	50	0	0	0
SD State University	5,529	2,951	0	0	340	340	0	0	0	0	0	275
U of S Dakota	751	0	0	0	130	130	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
Pennsylvania, continued:												
Lafayette College	0	0	0	0	0	0	0	22	178	0	0	0
Lebanon Valley College	0	0	0	0	0	0	0	0	73	0	0	0
Lehigh University	0	1,089	0	50	0	0	750	0	3,528	0	0	0
Lincoln U (Linc U PA)	0	200	0	0	0	0	0	252	0	0	0	0
Moravian College	0	0	0	0	0	0	0	0	14	0	0	0
Muhlenberg College	0	0	0	0	0	0	0	0	6	0	0	0
PA Col of Optometry	0	590	0	0	0	0	0	0	0	0	0	0
PA St U University Park	0	57,454	0	1,343	0	235	0	9,158	22,475	900	0	215
Phila Col Osteopathic Med	0	200	0	0	0	0	0	0	0	0	0	0
Phila Col of Pharm & Sci	0	292	0	0	0	0	0	0	0	0	0	0
Phila Col of Text & Sci	0	0	0	0	0	0	0	0	0	0	0	0
Shippensburg U of PA	0	10	0	0	0	0	0	0	0	0	0	0
St Francis Col (Loretto)	0	0	0	0	0	0	0	0	40	0	0	0
St Joseph's University	0	0	0	0	0	0	0	0	165	0	0	0
Susquehanna University	0	34	0	0	0	0	0	0	0	0	0	0
Swarthmore College	0	105	0	0	0	0	0	0	1,029	0	0	0
Temple University	0	21,618	15	0	0	4	0	0	1,698	0	0	0
Thomas Jefferson U	0	53,760	0	0	0	0	0	60	649	0	0	0
U of Pennsylvania	0	233,713	0	0	0	0	10	1,249	18,028	0	0	0
U of Pittsburgh	0	166,542	0	0	0	208	0	1,237	12,745	0	0	0
U of the Arts, The	0	0	0	0	0	0	0	0	20	0	0	0
Villanova University	0	122	0	0	0	0	0	58	1,054	0	0	0
West Chester U of PA	0	0	0	0	0	0	0	0	64	0	0	0
Widener U All Campuses	0	0	0	0	0	0	0	0	61	0	0	0
Wilkes University	0	0	0	0	0	0	0	0	0	0	0	0
Rhode Island, total	0	25,675	0	846	0	0	13	2,841	16,525	0	0	100
Brown University	0	19,996	0	35	0	0	0	1,815	9,595	0	0	0
U of Rhode Island	0	5,679	0	811	0	0	13	1,026	6,930	0	0	100
South Carolina, total	0	45,461	0	199	0	675	0	1,891	16,570	0	0	51
Benedict College	0	701	0	0	0	0	0	100	0	0	0	0
Clemson University	0	548	0	163	0	0	0	716	6,058	0	0	51
College of Charleston	0	0	0	0	0	0	0	266	756	0	0	0
Florence-Dringtn Tech Col	0	0	0	0	0	0	0	0	0	0	0	0
Furman University	0	0	0	0	0	0	0	0	34	0	0	0
Medical U of S Carolina	0	32,670	0	0	0	0	0	109	1,121	0	0	0
SC Sea Grant Consortium	0	0	0	0	0	0	0	0	0	0	0	0
SC State University	0	278	0	0	0	0	0	158	0	0	0	0
U of SC All Campuses	0	11,264	0	36	0	675	0	537	8,601	0	0	0
Wofford College	0	0	0	0	0	0	0	5	0	0	0	0
South Dakota, total	0	320	0	520	0	0	0	1,029	2,970	0	0	0
Augustana Col (Sioux Fls)	0	0	0	0	0	0	0	20	0	0	0	0
Black Hills State U	0	0	0	0	0	0	0	0	115	0	0	0
SD School Mines & Tech	0	0	0	155	0	0	0	882	1,083	0	0	0
SD State University	0	320	0	365	0	0	0	127	1,151	0	0	0
U of S Dakota	0	0	0	0	0	0	0	0	621	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Tennessee, total	185,764	8,829	0	187	9,213	8,485	678	50	7,798	0	2,117	1,747
Austin Peay State U	94	0	0	0	0	0	0	0	0	0	0	0
Cooper Institute	2,020	0	0	0	0	0	0	0	0	0	0	0
Cumberland School of Tech	6	6	0	0	0	0	0	0	0	0	0	0
East Tennessee State U	2,559	173	0	0	5	5	0	0	0	0	0	0
Fisk University	2,160	0	0	0	84	84	0	0	285	0	0	0
Meharry Medical College	6,062	0	0	0	0	0	0	0	0	0	0	0
Middle TN State U	78	0	0	0	0	0	0	0	31	0	0	0
Rhodes College	53	0	0	0	0	0	0	0	0	0	0	0
Tennessee State U	6,732	2,677	0	0	1,101	1,101	0	0	60	0	0	0
Tennessee Technological U	752	0	0	0	0	0	0	0	236	0	0	242
U of Memphis	5,226	12	0	0	65	65	0	0	59	0	0	0
U of Tennessee Chtnooga	150	100	0	0	0	0	0	0	0	0	0	0
U of Tennessee Knoxville	26,975	5,861	0	187	1,957	1,880	27	50	5,359	0	0	1,124
U of Tennessee Memphis	24,548	0	0	0	501	501	0	0	0	0	0	0
U of the South	68	0	0	0	0	0	0	0	0	0	0	0
Vanderbilt University	108,281	0	0	0	5,500	4,849	651	0	1,768	0	2,117	381
Texas, total	730,067	16,499	0	4,752	83,501	48,063	12,112	23,326	21,354	0	2,704	11,519
Abilene Christian U	137	0	0	0	0	0	0	0	137	0	0	0
Alamo CC District	33	0	0	0	0	0	0	0	0	0	0	0
Baylor Col of Dentistry	757	0	0	0	0	0	0	0	0	0	0	0
Baylor Col of Medicine	115,247	436	0	0	323	323	0	0	387	0	1,507	0
Baylor University	69	15	0	0	0	0	0	0	0	0	0	0
El Paso Community College	96	0	0	0	0	0	0	0	0	0	0	69
Jarvis Christian College	189	0	0	0	89	0	89	0	0	0	0	0
Lamar University	4,924	0	0	0	0	0	0	0	0	0	20	4,876
Lubbock Christian U	55	55	0	0	0	0	0	0	0	0	0	0
McMurry University	2	0	0	0	0	0	0	0	0	0	0	0
Midwestern State U	70	0	0	0	0	0	0	0	0	0	0	0
Our Lady of the Lake U	570	0	0	0	537	537	0	0	0	0	0	0
Prairie View A&M U	6,651	2,545	0	0	141	141	0	0	769	0	0	0
Rice University	23,302	1	0	0	2,527	2,504	0	23	2,070	0	0	200
Sam Houston State U	1,739	60	0	0	528	528	0	0	0	0	0	975
Southern Methodist U	6,947	0	0	71	2,999	2,999	0	0	543	0	0	0
Southwest Texas St U	1,783	0	0	0	0	0	0	0	0	0	0	1,297
St Edwards University	165	0	0	0	165	165	0	0	0	0	0	0
St Marys U (San Antonio)	24	0	0	0	24	24	0	0	0	0	0	0
Stephen F Austin St U	318	318	0	0	0	0	0	0	0	0	0	0
Tarleton State University	6,097	0	0	0	0	0	0	0	0	0	0	500
Texas A&M International U	2,502	0	0	0	58	58	0	0	0	0	0	0
Texas A&M U	43,226	12,073	0	661	2,898	2,869	29	0	2,611	0	0	839
Texas A&M U Corpus Chrsti	27	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U Kingsville	699	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U System Office	10,175	188	0	26	1,383	1,132	0	251	1,441	0	0	0
Texas Christian U	2,581	0	0	0	27	27	0	0	0	0	0	0
Texas Southern U	428	0	0	0	0	0	0	0	0	0	0	0
Texas Tech University	12,551	383	0	3,602	2,681	2,681	0	0	536	0	0	210
Texas Womans University	1,371	0	0	0	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
Tennessee, total	0	136,577	0	1,495	0	0	0	3,436	14,328	0	0	37
Austin Peay State U	0	94	0	0	0	0	0	0	0	0	0	0
Cooper Institute	0	2,020	0	0	0	0	0	0	0	0	0	0
Cumberland School of Tech	0	0	0	0	0	0	0	0	0	0	0	0
East Tennessee State U	0	2,289	0	0	0	0	0	92	0	0	0	0
Fisk University	0	91	0	0	0	0	0	1,260	440	0	0	0
Meharry Medical College	0	6,062	0	0	0	0	0	0	0	0	0	0
Middle TN State U	0	0	0	0	0	0	0	47	0	0	0	0
Rhodes College	0	0	0	0	0	0	0	0	53	0	0	0
Tennessee State U	0	1,021	0	0	0	0	0	473	1,400	0	0	0
Tennessee Technological U	0	0	0	75	0	0	0	31	168	0	0	0
U of Memphis	0	4,113	0	272	0	0	0	131	574	0	0	0
U of Tennessee Chtnooga	0	0	0	0	0	0	0	0	50	0	0	0
U of Tennessee Knoxville	0	4,382	0	1,148	0	0	0	517	6,403	0	0	37
U of Tennessee Memphis	0	23,849	0	0	0	0	0	0	198	0	0	0
U of the South	0	0	0	0	0	0	0	0	68	0	0	0
Vanderbilt University	0	92,656	0	0	0	0	0	885	4,974	0	0	0
Texas, total	0	493,493	0	3,356	232	221	0	27,890	63,542	0	0	1,004
Abilene Christian U	0	0	0	0	0	0	0	0	0	0	0	0
Alamo CC District	0	0	0	0	0	0	0	33	0	0	0	0
Baylor Col of Dentistry	0	757	0	0	0	0	0	0	0	0	0	0
Baylor Col of Medicine	0	110,492	0	0	0	0	0	1,189	913	0	0	0
Baylor University	0	0	0	0	0	0	0	0	54	0	0	0
El Paso Community College	0	27	0	0	0	0	0	0	0	0	0	0
Jarvis Christian College	0	0	0	0	0	0	0	100	0	0	0	0
Lamar University	0	0	0	0	0	0	0	0	28	0	0	0
Lubbock Christian U	0	0	0	0	0	0	0	0	0	0	0	0
McMurry University	0	0	0	0	0	0	0	2	0	0	0	0
Midwestern State U	0	0	0	0	0	0	0	0	70	0	0	0
Our Lady of the Lake U	0	0	0	0	0	0	0	33	0	0	0	0
Prairie View A&M U	0	0	0	0	0	221	0	2,975	0	0	0	0
Rice University	0	5,024	0	0	0	0	0	2,699	10,781	0	0	0
Sam Houston State U	0	50	0	0	0	0	0	0	126	0	0	0
Southern Methodist U	0	1,405	0	0	0	0	0	52	1,877	0	0	0
Southwest Texas St U	0	349	0	0	0	0	0	85	52	0	0	0
St Edwards University	0	0	0	0	0	0	0	0	0	0	0	0
St Marys U (San Antonio)	0	0	0	0	0	0	0	0	0	0	0	0
Stephen F Austin St U	0	0	0	0	0	0	0	0	0	0	0	0
Tarleton State University	0	5,597	0	0	0	0	0	0	0	0	0	0
Texas A&M International U	0	0	0	2,444	0	0	0	0	0	0	0	0
Texas A&M U	0	7,773	0	84	232	0	0	4,789	10,271	0	0	995
Texas A&M U Corpus Christi	0	0	0	27	0	0	0	0	0	0	0	0
Texas A&M U Kingsville	0	611	0	0	0	0	0	37	51	0	0	0
Texas A&M U System Office	0	7,022	0	20	0	0	0	86	0	0	0	9
Texas Christian U	0	2,324	0	0	0	0	0	80	150	0	0	0
Texas Southern U	0	0	0	0	0	0	0	428	0	0	0	0
Texas Tech University	0	3,030	0	317	0	0	0	604	1,188	0	0	0
Texas Womans University	0	1,268	0	0	0	0	0	0	103	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Texas, continued:												
Trinity University	635	0	0	0	0	0	0	0	0	0	0	0
U of Dallas	37	0	0	0	0	0	0	0	0	0	0	0
U of Houston	18,878	0	0	43	5,304	1,827	3,477	0	1,042	0	0	112
U of Houston Clear Lake	25	25	0	0	0	0	0	0	0	0	0	0
U of Houston Downtown	700	0	0	0	0	0	0	0	0	0	0	0
U of Houston Sys Admin	165	0	0	0	165	165	0	0	0	0	0	0
U of N Texas	1,405	130	0	50	390	240	0	150	243	0	0	0
U of N Texas Hlth Sci Ctr	3,913	0	0	0	0	0	0	0	0	0	0	0
U of TX Arlington	3,837	0	0	0	1,749	1,749	0	0	515	0	0	0
U of TX Austin	107,370	190	0	299	42,164	21,564	3,398	17,202	9,185	0	587	698
U of TX Dallas	3,651	0	0	0	648	648	0	0	165	0	0	0
U of TX El Paso	3,686	0	0	0	613	613	0	0	0	0	0	0
U of TX Hlth Sci Houston	77,780	50	0	0	5,734	70	314	5,350	0	0	0	1,258
U of TX Hlth Sci S Anto	49,605	0	0	0	2,170	517	1,653	0	0	0	0	0
U of TX MD Anderson Cancr	65,741	0	0	0	2,355	2,041	314	0	0	0	0	0
U of TX Med Brnch Galvstn	47,356	0	0	0	764	764	0	0	683	0	295	485
U of TX Pan American	425	24	0	0	142	142	0	0	0	0	0	0
U of TX SW Med Ctr Dals	92,375	0	0	0	2,443	1,940	503	0	844	0	295	0
U of TX San Antonio	4,467	0	0	0	1,405	1,405	0	0	0	0	0	0
U of TX System Office	4,689	0	0	0	2,860	175	2,335	350	183	0	0	0
U of TX Tyler	371	0	0	0	0	0	0	0	0	0	0	0
U of the Incarnate Word	215	0	0	0	215	215	0	0	0	0	0	0
West Texas A&M U	6	6	0	0	0	0	0	0	0	0	0	0
Utah, total	147,366	5,496	0	493	25,599	5,468	19,781	350	3,800	0	921	1,491
Brigham Young U	5,322	165	0	0	1,055	1,055	0	0	345	0	0	114
University of Utah	97,320	0	0	493	3,710	2,764	596	350	3,180	0	150	274
Utah State University	43,979	5,331	0	0	20,089	904	19,185	0	275	0	771	1,103
Weber State University	745	0	0	0	745	745	0	0	0	0	0	0
Vermont, total	39,269	3,829	0	0	1,544	1,544	0	0	716	0	830	10
Bennington College	20	20	0	0	0	0	0	0	0	0	0	0
College of St Joseph	20	0	0	0	0	0	0	0	0	0	0	0
Middlebury College	677	0	0	0	0	0	0	0	0	0	0	0
St Michaels College	117	0	0	0	117	117	0	0	0	0	0	0
University of Vermont	38,435	3,809	0	0	1,427	1,427	0	0	716	0	830	10
Virginia, total	244,426	7,959	0	1,685	27,205	25,496	1,258	451	18,645	0	2,288	1,540
Col William & Mary All C	8,632	165	0	973	556	531	0	25	613	0	0	1,006
Eastern VA Medical Schl	4,985	0	0	0	70	0	70	0	0	0	0	0
George Mason University	10,548	25	0	111	4,851	4,386	100	365	100	0	200	50
Hampton University	8,868	0	0	0	2,435	2,435	0	0	386	0	0	0
J Sargeant Reynolds CC	325	0	0	0	0	0	0	0	0	0	0	0
James Madison University	473	0	0	0	0	0	0	0	0	0	0	0
Mary Washington College	8	0	0	0	8	8	0	0	0	0	0	0
Norfolk State University	1,754	0	0	0	150	150	0	0	81	0	0	0
Old Dominion University	10,052	0	0	106	2,720	2,720	0	0	1,157	0	0	0
Roanoke College	98	0	0	0	0	0	0	0	0	0	0	0
Sweet Briar College	43	0	0	0	0	0	0	0	0	0	0	0
U of Richmond	572	0	0	0	0	0	0	0	293	0	0	0
U of Virginia	100,562	0	0	369	6,510	6,207	303	0	2,445	0	0	0

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Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	CJP	Labor	NASA	NSF	NRC	SSA	DOT
Texas, continued:												
Trinity University	0	396	0	0	0	0	0	0	239	0	0	0
U of Dallas	0	0	0	0	0	0	0	0	37	0	0	0
U of Houston	0	5,426	0	50	0	0	0	1,954	4,947	0	0	0
U of Houston Clear Lake	0	0	0	0	0	0	0	0	0	0	0	0
U of Houston Downtown	0	0	0	0	0	0	0	0	700	0	0	0
U of Houston Sys Admin	0	0	0	0	0	0	0	0	0	0	0	0
U of N Texas	0	105	0	0	0	0	0	0	487	0	0	0
U of N Texas Hlth Sci Ctr	0	3,679	0	0	0	0	0	234	0	0	0	0
U of TX Arlington	0	590	0	23	0	0	0	0	960	0	0	0
U of TX Austin	0	20,335	0	56	0	0	0	7,931	25,925	0	0	0
U of TX Dallas	0	1,420	0	0	0	0	0	275	1,143	0	0	0
U of TX El Paso	0	1,294	0	335	0	0	0	758	686	0	0	0
U of TX Hlth Sci Houston	0	70,564	0	0	0	0	0	0	174	0	0	0
U of TX Hlth Sci S Anto	0	46,907	0	0	0	0	0	232	296	0	0	0
U of TX MD Anderson Cancr	0	62,735	0	0	0	0	0	196	455	0	0	0
U of TX Med Brnch Galvstn	0	44,163	0	0	0	0	0	275	691	0	0	0
U of TX Pan American	0	0	0	0	0	0	0	149	110	0	0	0
U of TX SW Med Ctr Dals	0	86,056	0	0	0	0	0	2,379	358	0	0	0
U of TX San Antonio	0	2,077	0	0	0	0	0	315	670	0	0	0
U of TX System Office	0	1,646	0	0	0	0	0	0	0	0	0	0
U of TX Tyler	0	371	0	0	0	0	0	0	0	0	0	0
U of the Incarnate Word	0	0	0	0	0	0	0	0	0	0	0	0
West Texas A&M U	0	0	0	0	0	0	0	0	0	0	0	0
Utah, total	0	73,274	0	335	0	236	0	12,020	23,701	0	0	0
Brigham Young U	0	1,356	0	28	0	0	0	325	1,934	0	0	0
University of Utah	0	69,335	0	135	0	236	0	1,818	17,989	0	0	0
Utah State University	0	2,583	0	172	0	0	0	9,877	3,778	0	0	0
Weber State University	0	0	0	0	0	0	0	0	0	0	0	0
Vermont, total	0	27,949	0	111	0	0	0	143	4,137	0	0	0
Bennington College	0	0	0	0	0	0	0	0	0	0	0	0
College of St Joseph	0	0	0	0	0	0	0	0	20	0	0	0
Middlebury College	0	207	0	0	0	0	0	7	463	0	0	0
St Michaels College	0	0	0	0	0	0	0	0	0	0	0	0
University of Vermont	0	27,742	0	111	0	0	0	136	3,654	0	0	0
Virginia, total	0	123,667	15	1,646	1,000	0	0	21,082	32,944	250	1,765	2,735
Col William & Mary All C	0	131	0	136	0	0	0	1,176	3,876	0	0	0
Eastern VA Medical Schl	0	3,894	0	0	1,000	0	0	21	0	0	0	0
George Mason University	0	1,205	0	10	0	0	0	1,421	2,247	0	0	328
Hampton University	0	580	0	0	0	0	0	4,092	1,375	0	0	0
J Sargeant Reynolds CC	0	325	0	0	0	0	0	0	0	0	0	0
James Madison University	0	0	0	109	0	0	0	81	283	0	0	0
Mary Washington College	0	0	0	0	0	0	0	0	0	0	0	0
Norfolk State University	0	245	0	0	0	0	0	189	1,089	0	0	0
Old Dominion University	0	365	0	115	0	0	0	3,489	2,100	0	0	0
Roanoke College	0	0	0	0	0	0	0	40	58	0	0	0
Sweet Briar College	0	0	0	0	0	0	0	0	43	0	0	0
U of Richmond	0	152	0	0	0	0	0	0	127	0	0	0
U of Virginia	0	71,333	15	334	0	0	0	7,133	10,988	250	0	1,185

See explanatory information, if any, and SOURCE at end of table.

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Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Virginia, continued:												
Virginia Commonwealth U	48,136	110	0	0	1,163	1,163	0	0	188	0	1,907	99
Virginia Military Inst	41	41	0	0	0	0	0	0	0	0	0	0
Virginia Poly Inst & St U	46,108	5,743	0	126	8,273	7,427	785	61	13,382	0	181	385
Virginia State University	3,016	1,875	0	0	288	288	0	0	0	0	0	0
Virginia Union University	181	0	0	0	181	181	0	0	0	0	0	0
Washington & Lee U	24	0	0	0	0	0	0	0	0	0	0	0
Washington, total	374,178	12,800	0	4,232	28,207	25,881	1,149	1,177	18,604	0	3,831	4,861
Central Washington U	403	0	0	0	0	0	0	0	0	0	0	0
Eastern Washington U	355	0	0	0	0	0	0	0	0	0	203	0
Evergreen State College	379	0	0	0	0	0	0	0	0	0	0	0
Gonzaga University	50	0	0	0	0	0	0	0	0	0	0	0
John Bastyr Col Nat Med	340	0	0	0	0	0	0	0	0	0	0	0
Pacific Lutheran U	28	0	0	0	0	0	0	0	0	0	0	0
Seattle University	108	0	0	0	0	0	0	0	0	0	0	0
University of Puget Sound	108	0	0	0	0	0	0	0	0	0	0	0
University of Washington	335,511	4,903	0	4,140	23,037	20,804	1,086	1,147	14,254	0	3,628	4,332
Washington State U	34,468	7,897	0	92	4,227	4,164	63	0	4,350	0	0	529
Western Washington U	2,335	0	0	0	900	900	0	0	0	0	0	0
Whitman College	93	0	0	0	43	13	0	30	0	0	0	0
West Virginia, total	22,569	3,891	1	0	2,527	2,527	0	0	2,501	0	0	0
Fairmont State College	13	0	0	0	0	0	0	0	0	0	0	0
Marshall U Graduate Col	1,838	0	0	0	520	520	0	0	0	0	0	0
Salem Teikyo University	66	0	0	0	0	0	0	0	0	0	0	0
Shepherd College	15	0	0	0	0	0	0	0	0	0	0	0
WV University (Morgantwn)	17,837	3,891	1	0	2,007	2,007	0	0	2,501	0	0	0
Wheeling Jesuit U	2,800	0	0	0	0	0	0	0	0	0	0	0
Wisconsin, total	274,320	9,614	50	780	9,774	6,681	3,093	0	19,145	0	6,577	287
Alverno College	20	0	0	0	0	0	0	0	0	0	0	0
Beloit College	31	0	0	0	0	0	0	0	0	0	0	0
Edgewood College	28	0	0	0	28	28	0	0	0	0	0	0
Lawrence University	181	0	0	0	0	0	0	0	96	0	0	0
Marquette University	2,425	0	0	59	105	105	0	0	202	0	0	287
Medical Col of Wisconsin	43,317	140	0	0	125	125	0	0	0	0	373	0
Milwaukee School of Eng	121	0	0	0	0	0	0	0	0	0	0	0
Ripon College	5	0	0	0	0	0	0	0	0	0	0	0
St Norbert College	10	0	0	0	0	0	0	0	0	0	0	0
U of WI Colleges	763	16	0	0	0	0	0	0	582	0	0	0
U of WI Eau Claire	185	0	0	0	0	0	0	0	0	0	0	0
U of WI La Crosse	745	0	0	0	0	0	0	0	0	0	0	0
U of WI Madison	210,861	9,185	50	0	8,137	5,705	2,432	0	17,291	0	0	0
U of WI Milwaukee	6,581	0	0	0	201	201	0	0	972	0	0	0
U of WI Oshkosh	115	0	0	0	0	0	0	0	0	0	0	0
U of WI Stevens Point	272	0	0	0	0	0	0	0	0	0	0	0
U of WI Stout	885	0	0	0	0	0	0	0	0	0	885	0
U of WI System Office	7,691	273	0	721	1,178	517	661	0	0	0	5,319	0
U of WI Whitewater	84	0	0	0	0	0	0	0	0	0	0	0
Wyoming, total	15,711	2,155	0	32	2,577	2,577	0	0	964	0	0	0
University of Wyoming	15,711	2,155	0	32	2,577	2,577	0	0	964	0	0	0
American Samoa, total	390	390	0	0	0	0	0	0	0	0	0	0
American Samoa CC	390	390	0	0	0	0	0	0	0	0	0	0
Guam, total	1,696	1,266	0	0	163	163	0	0	0	0	0	0
University of Guam	1,696	1,266	0	0	163	163	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
Virginia, continued:												
Virginia Commonwealth U	0	41,761	0	0	0	0	0	632	511	0	1,765	0
Virginia Military Inst	0	0	0	0	0	0	0	0	0	0	0	0
Virginia Poly Inst & St U	0	3,511	0	254	0	0	0	2,808	10,223	0	0	1,222
Virginia State University	0	165	0	688	0	0	0	0	0	0	0	0
Virginia Union University	0	0	0	0	0	0	0	0	0	0	0	0
Washington & Lee U	0	0	0	0	0	0	0	0	24	0	0	0
Washington, total	0	241,435	0	1,405	25	110	0	10,484	48,076	0	0	108
Central Washington U	0	0	0	27	0	0	0	37	339	0	0	0
Eastern Washington U	0	117	0	35	0	0	0	0	0	0	0	0
Evergreen State College	0	0	0	0	0	0	0	0	379	0	0	0
Gonzaga University	0	0	0	0	0	0	0	0	50	0	0	0
John Bastyr Col Nat Med	0	340	0	0	0	0	0	0	0	0	0	0
Pacific Lutheran U	0	0	0	0	0	0	0	0	28	0	0	0
Seattle University	0	0	0	0	0	0	0	0	108	0	0	0
University of Puget Sound	0	0	0	0	0	0	0	81	27	0	0	108
University of Washington	0	229,416	0	1,215	0	0	0	9,843	40,525	0	0	0
Washington State U	0	11,464	0	128	25	110	0	523	5,233	0	0	0
Western Washington U	0	98	0	0	0	0	0	0	1,337	0	0	0
Whitman College	0	0	0	0	0	0	0	0	50	0	0	0
West Virginia, total	0	7,653	0	116	0	2,800	0	2,823	257	0	0	0
Fairmont State College	0	0	0	0	0	0	0	0	13	0	0	0
Marshall U Graduate Col	0	984	0	54	0	0	0	51	229	0	0	0
Salem Teikyo University	0	66	0	0	0	0	0	0	0	0	0	0
Shepherd College	0	0	0	0	0	0	0	0	15	0	0	0
WV University (Morgantwn)	0	6,603	0	62	0	0	0	2,772	0	0	0	0
Wheeling Jesuit U	0	0	0	0	0	2,800	0	0	0	0	0	0
Wisconsin, total	0	171,707	23	935	0	50	0	10,531	43,890	50	195	712
Alverno College	0	20	0	0	0	0	0	0	0	0	0	0
Beloit College	0	0	0	0	0	0	0	0	31	0	0	0
Edgewood College	0	0	0	0	0	0	0	0	0	0	0	0
Lawrence University	0	0	0	0	0	0	0	0	83	0	0	0
Marquette University	0	1,373	0	0	0	50	0	15	334	0	0	0
Medical Col of Wisconsin	0	41,446	0	0	0	0	0	272	249	0	0	712
Milwaukee School of Eng	0	0	0	0	0	0	0	0	121	0	0	0
Ripon College	0	0	0	0	0	0	0	0	5	0	0	0
St Norbert College	0	0	0	0	0	0	0	10	0	0	0	0
U of WI Colleges	0	165	0	0	0	0	0	0	0	0	0	0
U of WI Eau Claire	0	0	0	0	0	0	0	7	178	0	0	0
U of WI La Crosse	0	259	0	453	0	0	0	0	33	0	0	0
U of WI Madison	0	125,808	15	210	0	0	0	10,131	39,789	50	195	0
U of WI Milwaukee	0	2,352	8	0	0	0	0	96	2,952	0	0	0
U of WI Oshkosh	0	0	0	0	0	0	0	0	115	0	0	0
U of WI Stevens Point	0	0	0	272	0	0	0	0	0	0	0	0
U of WI Stout	0	0	0	0	0	0	0	0	0	0	0	0
U of WI System Office	0	200	0	0	0	0	0	0	0	0	0	0
U of WI Whitewater	0	84	0	0	0	0	0	0	0	0	0	0
Wyoming, total	0	1,462	0	751	0	0	0	438	7,332	0	0	0
University of Wyoming	0	1,462	0	751	0	0	0	438	7,332	0	0	0
American Samoa, total	0	0	0	0	0	0	0	0	0	0	0	0
American Samoa CC	0	0	0	0	0	0	0	0	0	0	0	0
Guam, total	0	27	0	0	0	0	0	80	160	0	0	0
University of Guam	0	27	0	0	0	0	0	80	160	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	Total	USDA	ARC	Com	DoD [1]				DOE	DOS	ED	EPA
					Total	Research	Development					
							Advanced technology	Major systems				
Puerto Rico, total	34,138	4,301	0	0	2,016	2,016	0	0	841	0	0	0
Bayamon Central U	20	0	0	0	0	0	0	0	0	0	0	0
Inter Am U PR Ctrl Off	60	0	0	0	0	0	0	0	0	0	0	0
Ponce School of Medicine	2,282	0	0	0	0	0	0	0	0	0	0	0
Pont Cath U of PR, The	89	0	0	0	0	0	0	0	0	0	0	0
U Central Del Caribe	4,067	0	0	0	0	0	0	0	0	0	0	0
U of PR Humacao U Col	669	0	0	0	499	499	0	0	0	0	0	0
U of PR Mayaguez	9,937	4,299	0	0	810	810	0	0	41	0	0	0
U of PR Medical Sci	9,422	0	0	0	0	0	0	0	0	0	0	0
U of PR Rio Piedras	3,860	2	0	0	323	323	0	0	0	0	0	0
University of PR System	3,732	0	0	0	384	384	0	0	800	0	0	0
Trust Territory of the Pacific Islands, total	1,374	1,294	0	0	0	0	0	0	0	0	0	0
Col of Micronesia FSM	753	673	0	0	0	0	0	0	0	0	0	0
Northern Marianas College	621	621	0	0	0	0	0	0	0	0	0	0
Virgin Islands, total	981	931	0	0	0	0	0	0	0	0	0	0
U of the Virgin Islands	981	931	0	0	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Federal obligations for science and engineering research and development (R&D) to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

[To increase readability, agencies span two pages and institutions are repeated on facing pages.]

State and institution	GSA	HHS	HUD	Int	AID [2]	OJP	Labor	NASA	NSF	NRC	SSA	DOT
Puerto Rico, total	0	18,563	0	0	0	0	25	3,675	4,717	0	0	0
Bayamon Central U	0	0	0	0	0	0	0	0	20	0	0	0
Inter Am U PR Ctrl Off	0	0	0	0	0	0	0	0	60	0	0	0
Ponce School of Medicine	0	2,282	0	0	0	0	0	0	0	0	0	0
Pont Cath U of PR, The	0	89	0	0	0	0	0	0	0	0	0	0
U Central Del Caribe	0	4,067	0	0	0	0	0	0	0	0	0	0
U of PR Humacao U Col	0	109	0	0	0	0	0	0	61	0	0	0
U of PR Mayaguez	0	0	0	0	0	0	0	3,675	1,112	0	0	0
U of PR Medical Sci	0	9,367	0	0	0	0	0	0	55	0	0	0
U of PR Rio Piedras	0	2,649	0	0	0	0	0	0	886	0	0	0
University of PR System	0	0	0	0	0	0	25	0	2,523	0	0	0
Trust Territory of the Pacific Islands, total	0	0	0	0	0	0	0	0	80	0	0	0
Col of Micronesia FSM	0	0	0	0	0	0	0	0	80	0	0	0
Northern Marianas College	0	0	0	0	0	0	0	0	0	0	0	0
Virgin Islands, total	0	0	0	50	0	0	0	0	0	0	0	0
U of the Virgin Islands	0	0	0	50	0	0	0	0	0	0	0	0

[1] The Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development obligations reported for universities and colleges are performed at university-affiliated laboratories that are separate from the academic departments. Furthermore, DoD states that much of its development obligations are for major systems development, that such obligations differ from its obligations for advanced technology development, and that DoD total development obligations are therefore not comparable with development obligations at other Federal agencies.

[2] The Agency for International Development (AID) continues its long-term work on restructuring its internal database (New Management System, NMS) that will integrate the agency's budget, programming, accounting, and procurement systems. As a result, AID's response to the fiscal year (FY) 1998 Federal support survey has again been produced using an interim reporting system as it was for the FYs 1995-97 surveys. Any significant differences between AID's data reported for FYs 1995-98 and data reported prior to FY 1995 can be attributed to this change in reporting systems. In addition, AID anticipates that future responses to the Federal support survey may also differ from the FYs 1995-98 submissions since the NMS, which will eventually be the database for reporting this information, will be refined to produce more accurate data.

NOTE: Does not include R&D obligations to university-administered federally funded research and development centers. See table B-38.

KEY:
USDA = Department of Agriculture
ARC = Appalachian Regional Commission
Com = Department of Commerce
DoD = Department of Defense
DOE = Department of Energy
DOS = Department of State
ED = Department of Education
EPA = Environmental Protection Agency
GSA = General Services Administration
HHS = Department of Health and Human Services
HUD = Department of Housing and Urban Development
Int = Department of Interior
AID = Agency for International Development
OJP = Office of Justice Programs
Labor = Department of Labor
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation
NRC = Nuclear Regulatory Commission
SSA = Social Security Administration
DOT = Department of Transportation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-18. Federal obligations for R&D plant to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
United States, total	156,582	0	2,125	398	0	11,833	0	21,436	0	0	120,666	124
Alabama, total	152	0	0	0	0	0	0	0	0	0	152	0
U of Alabama Birmingham	152	0	0	0	0	0	0	0	0	0	152	0
Arizona, total	2,851	0	0	0	0	0	0	0	0	0	2,851	0
Arizona State U Main	548	0	0	0	0	0	0	0	0	0	548	0
University of Arizona	2,303	0	0	0	0	0	0	0	0	0	2,303	0
California, total	56,078	0	0	0	0	1,636	0	5,430	0	0	49,013	0
CA Inst of Technology	26,426	0	0	0	0	0	0	0	0	0	26,426	0
San Diego State U	1,000	0	0	0	0	0	0	1,000	0	0	0	0
Scripps Rsch Inst, The	400	0	0	0	0	0	0	400	0	0	0	0
Stanford University	474	0	0	0	0	474	0	0	0	0	0	0
U of CA Berkeley	1,578	0	0	0	0	0	0	1,000	0	0	578	0
U of CA Davis	1,030	0	0	0	0	0	0	1,030	0	0	0	0
U of CA Irvine	1,187	0	0	0	0	993	0	0	0	0	194	0
U of CA Los Angeles	204	0	0	0	0	14	0	0	0	0	190	0
U of CA San Diego	21,421	0	0	0	0	0	0	0	0	0	21,421	0
U of CA San Francisco	2,000	0	0	0	0	0	0	2,000	0	0	0	0
U of CA Santa Cruz	154	0	0	0	0	154	0	0	0	0	0	0
U of Southern California	204	0	0	0	0	0	0	0	0	0	204	0
Colorado, total	10,476	0	0	0	0	58	0	0	0	0	10,418	0
Colorado School of Mines	105	0	0	0	0	0	0	0	0	0	105	0
Colorado State University	597	0	0	0	0	58	0	0	0	0	539	0
U Corp for Atmosph Rsch	9,641	0	0	0	0	0	0	0	0	0	9,641	0
University of Denver	133	0	0	0	0	0	0	0	0	0	133	0
Connecticut, total	2,060	0	0	0	0	370	0	1,000	0	0	690	0
Yale University	2,060	0	0	0	0	370	0	1,000	0	0	690	0
Delaware, total	110	0	0	0	0	0	0	0	0	0	110	0
University of Delaware	110	0	0	0	0	0	0	0	0	0	110	0
District of Columbia, total	200	0	0	0	0	0	0	200	0	0	0	0
Howard University	200	0	0	0	0	0	0	200	0	0	0	0
Florida, total	1,361	0	0	0	0	190	0	0	0	0	1,171	0
Florida International U	209	0	0	0	0	0	0	0	0	0	209	0
Florida State University	462	0	0	0	0	0	0	0	0	0	462	0
University of Florida	190	0	0	0	0	190	0	0	0	0	0	0
University of Miami	500	0	0	0	0	0	0	0	0	0	500	0
Georgia, total	1,072	0	0	0	0	0	0	0	0	0	1,072	0
Georgia Inst of Tech	1,072	0	0	0	0	0	0	0	0	0	1,072	0

See explanatory information, if any, and SOURCE at end of table.

Table B-18. Federal obligations for R&D plant to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
Hawaii, total	67	0	0	0	0	0	0	0	0	0	67	0
U of Hawaii Manoa	67	0	0	0	0	0	0	0	0	0	67	0
Idaho, total	251	0	0	0	0	0	0	0	0	0	251	0
Idaho State University	79	0	0	0	0	0	0	0	0	0	79	0
University of Idaho	172	0	0	0	0	0	0	0	0	0	172	0
Illinois, total	16,790	0	0	0	0	115	0	1,253	0	0	15,422	0
Northwestern University	1,265	0	0	0	0	115	0	700	0	0	450	0
U of IL Chicago	1,703	0	0	0	0	0	0	553	0	0	1,150	0
U of IL Urbana-Champaign	13,822	0	0	0	0	0	0	0	0	0	13,822	0
Indiana, total	2,935	0	0	0	0	664	0	0	0	0	2,271	0
Indiana U	205	0	0	0	0	5	0	0	0	0	200	0
Purdue University	2,194	0	0	0	0	324	0	0	0	0	1,870	0
University of Notre Dame	536	0	0	0	0	335	0	0	0	0	201	0
Iowa, total	517	0	0	0	0	0	0	517	0	0	0	0
University of Iowa	517	0	0	0	0	0	0	517	0	0	0	0
Kansas, total	300	0	0	0	0	300	0	0	0	0	0	0
Kansas State University	300	0	0	0	0	300	0	0	0	0	0	0
Louisiana, total	1,499	0	0	0	0	0	0	464	0	0	1,035	0
LA St U All Campuses	450	0	0	0	0	0	0	0	0	0	450	0
Louisiana Tech University	300	0	0	0	0	0	0	0	0	0	300	0
Tulane University	647	0	0	0	0	0	0	464	0	0	183	0
U of Louisiana Lafayette	102	0	0	0	0	0	0	0	0	0	102	0
Maine, total	573	0	0	0	0	0	0	0	0	0	573	0
U of Maine	573	0	0	0	0	0	0	0	0	0	573	0
Maryland, total	2,549	0	0	0	0	0	0	1,500	0	0	1,049	0
Johns Hopkins University	517	0	0	0	0	0	0	0	0	0	517	0
U of MD Baltimore	1,500	0	0	0	0	0	0	1,500	0	0	0	0
U of MD College Park	532	0	0	0	0	0	0	0	0	0	532	0
Massachusetts, total	9,865	0	0	0	0	5,226	0	678	0	0	3,961	0
Boston College	150	0	0	0	0	0	0	0	0	0	150	0
Boston University	663	0	0	0	0	282	0	0	0	0	381	0
Brandeis University	606	0	0	0	0	0	0	0	0	0	606	0
Clark University	150	0	0	0	0	0	0	0	0	0	150	0
Harvard University	678	0	0	0	0	0	0	678	0	0	0	0
MA Inst of Technology	5,429	0	0	0	0	4,934	0	0	0	0	495	0
Mount Holyoke College	60	0	0	0	0	0	0	0	0	0	60	0
Northeastern University	228	0	0	0	0	0	0	0	0	0	228	0
U of MA Amherst	703	0	0	0	0	10	0	0	0	0	693	0
Woods Hole Ocean Inst	1,053	0	0	0	0	0	0	0	0	0	1,053	0
Worcester Polytech Inst	145	0	0	0	0	0	0	0	0	0	145	0

See explanatory information, if any, and SOURCE at end of table.

Table B-18. Federal obligations for R&D plant to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
Michigan, total	2,549	0	0	0	0	200	0	0	0	0	2,345	4
Calvin College	111	0	0	0	0	0	0	0	0	0	111	0
Michigan State University	997	0	0	0	0	200	0	0	0	0	797	0
Michigan Tech University	260	0	0	0	0	0	0	0	0	0	260	0
U of Michigan	1,181	0	0	0	0	0	0	0	0	0	1,177	4
Minnesota, total	390	0	0	0	0	41	0	0	0	0	349	0
U of Minnesota	390	0	0	0	0	41	0	0	0	0	349	0
Mississippi, total	362	0	0	0	0	162	0	0	0	0	200	0
U of Mississippi	162	0	0	0	0	162	0	0	0	0	0	0
U of Southern Mississippi	200	0	0	0	0	0	0	0	0	0	200	0
Missouri, total	1,428	0	0	105	0	17	0	0	0	0	1,306	0
U of Missouri Columbia	550	0	0	105	0	17	0	0	0	0	428	0
U of Missouri Rolla	378	0	0	0	0	0	0	0	0	0	378	0
Washington University	500	0	0	0	0	0	0	0	0	0	500	0
Montana, total	450	0	0	0	0	0	0	0	0	0	450	0
Montana State U Billings	336	0	0	0	0	0	0	0	0	0	336	0
Montana U Sys-Sys Off	114	0	0	0	0	0	0	0	0	0	114	0
Nevada, total	221	0	0	0	0	0	0	0	0	0	221	0
Desert Research Institute	221	0	0	0	0	0	0	0	0	0	221	0
New Hampshire, total	2,235	0	2,125	0	0	0	0	0	0	0	110	0
U of NH Durham	2,235	0	2,125	0	0	0	0	0	0	0	110	0
New Jersey, total	3,446	0	0	0	0	237	0	500	0	0	2,675	34
New Jersey Inst of Tech	501	0	0	0	0	0	0	0	0	0	467	34
Princeton University	1,486	0	0	0	0	237	0	0	0	0	1,249	0
Rutgers St U of NJ	959	0	0	0	0	0	0	0	0	0	959	0
U of Med & Dent of NJ	500	0	0	0	0	0	0	500	0	0	0	0
New Mexico, total	1,547	0	0	293	0	0	0	0	0	0	1,254	0
New Mexico Inst Mining	139	0	0	0	0	0	0	0	0	0	139	0
New Mexico St U	416	0	0	293	0	0	0	0	0	0	123	0
U of New Mexico	992	0	0	0	0	0	0	0	0	0	992	0
New York, total	10,076	0	0	0	0	446	0	599	0	0	9,031	0
Clarkson University	348	0	0	0	0	0	0	0	0	0	348	0
Cornell University	6,480	0	0	0	0	446	0	0	0	0	6,034	0
NY University	115	0	0	0	0	0	0	0	0	0	115	0
Rensselaer Polytech Inst	522	0	0	0	0	0	0	0	0	0	522	0
SUNY Col Geneseo	25	0	0	0	0	0	0	0	0	0	25	0
SUNY at Albany	434	0	0	0	0	0	0	0	0	0	434	0
SUNY at Buffalo	300	0	0	0	0	0	0	0	0	0	300	0
SUNY at Stony Brook	928	0	0	0	0	0	0	0	0	0	928	0
University of Rochester	260	0	0	0	0	0	0	0	0	0	260	0
Yeshiva University NY	664	0	0	0	0	0	0	599	0	0	65	0

See explanatory information, if any, and SOURCE at end of table.

Table B-18. Federal obligations for R&D plant to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
North Carolina, total	3,266	0	0	0	0	190	0	1,644	0	0	1,408	24
Duke University	890	0	0	0	0	190	0	700	0	0	0	0
NC State U	24	0	0	0	0	0	0	0	0	0	0	24
U of NC Chapel Hill	1,300	0	0	0	0	0	0	0	0	0	1,300	0
U of NC Charlotte	108	0	0	0	0	0	0	0	0	0	108	0
Wake Forest University	944	0	0	0	0	0	0	944	0	0	0	0
North Dakota, total	413	0	0	0	0	0	0	0	0	0	383	30
North Dakota St U	329	0	0	0	0	0	0	0	0	0	299	30
U of North Dakota	84	0	0	0	0	0	0	0	0	0	84	0
Ohio, total	2,126	0	0	0	0	0	0	845	0	0	1,281	0
Case Western Reserve U	1,095	0	0	0	0	0	0	845	0	0	250	0
Denison University	197	0	0	0	0	0	0	0	0	0	197	0
Ohio State U	332	0	0	0	0	0	0	0	0	0	332	0
U of Cincinnati	202	0	0	0	0	0	0	0	0	0	202	0
Wright State U	300	0	0	0	0	0	0	0	0	0	300	0
Oklahoma, total	1,049	0	0	0	0	0	0	738	0	0	311	0
Oklahoma St U	111	0	0	0	0	0	0	0	0	0	111	0
U of Oklahoma	938	0	0	0	0	0	0	738	0	0	200	0
Oregon, total	1,106	0	0	0	0	0	0	1,000	0	0	106	0
University of Oregon	1,106	0	0	0	0	0	0	1,000	0	0	106	0
Pennsylvania, total	4,910	0	0	0	0	824	0	2,694	0	0	1,392	0
Carnegie Mellon U	428	0	0	0	0	0	0	0	0	0	428	0
Temple University	1,000	0	0	0	0	0	0	1,000	0	0	0	0
U of Pennsylvania	1,964	0	0	0	0	824	0	694	0	0	446	0
U of Pittsburgh	1,518	0	0	0	0	0	0	1,000	0	0	518	0
Rhode Island, total	755	0	0	0	0	0	0	0	0	0	755	0
Brown University	432	0	0	0	0	0	0	0	0	0	432	0
U of Rhode Island	323	0	0	0	0	0	0	0	0	0	323	0
South Carolina, total	180	0	0	0	0	0	0	0	0	0	180	0
U of SC All Campuses	180	0	0	0	0	0	0	0	0	0	180	0
South Dakota, total	509	0	0	0	0	0	0	0	0	0	509	0
Augustana Col (Sioux Fls)	100	0	0	0	0	0	0	0	0	0	100	0
SD State University	142	0	0	0	0	0	0	0	0	0	142	0
U of S Dakota	267	0	0	0	0	0	0	0	0	0	267	0
Tennessee, total	995	0	0	0	0	0	0	0	0	0	995	0
Vanderbilt University	995	0	0	0	0	0	0	0	0	0	995	0

See explanatory information, if any, and SOURCE at end of table.

Table B-18. Federal obligations for R&D plant to universities and colleges, by State, institution, and agency: fiscal year 1998

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
Texas, total	3,308	0	0	0	0	170	0	1,231	0	0	1,875	32
Texas A&M U	794	0	0	0	0	100	0	0	0	0	662	32
Texas Tech University	386	0	0	0	0	0	0	0	0	0	386	0
U of TX Austin	408	0	0	0	0	0	0	0	0	0	408	0
U of TX Dallas	70	0	0	0	0	70	0	0	0	0	0	0
U of TX El Paso	419	0	0	0	0	0	0	0	0	0	419	0
U of TX Med Brnch Galvstn	1,231	0	0	0	0	0	0	1,231	0	0	0	0
Utah, total	1,300	0	0	0	0	0	0	0	0	0	1,300	0
University of Utah	1,300	0	0	0	0	0	0	0	0	0	1,300	0
Vermont, total	106	0	0	0	0	0	0	0	0	0	106	0
University of Vermont	106	0	0	0	0	0	0	0	0	0	106	0
Virginia, total	743	0	0	0	0	0	0	0	0	0	743	0
Hampton University	106	0	0	0	0	0	0	0	0	0	106	0
Old Dominion University	467	0	0	0	0	0	0	0	0	0	467	0
Virginia Commonwealth U	170	0	0	0	0	0	0	0	0	0	170	0
Washington, total	2,403	0	0	0	0	988	0	697	0	0	718	0
University of Washington	2,403	0	0	0	0	988	0	697	0	0	718	0
Wisconsin, total	446	0	0	0	0	0	0	446	0	0	0	0
U of WI Madison	446	0	0	0	0	0	0	446	0	0	0	0
Wyoming, total	429	0	0	0	0	0	0	0	0	0	429	0
University of Wyoming	429	0	0	0	0	0	0	0	0	0	429	0
Puerto Rico, total	128	0	0	0	0	0	0	0	0	0	128	0
U of PR Mayaguez	128	0	0	0	0	0	0	0	0	0	128	0

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

NOTE: See Technical Notes, "Categories of Support."

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
Int = Department of the Interior
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-19. Federal obligations for science and engineering to historically black colleges and universities, ranked by total amount received in fiscal year 1998: fiscal years 1991-98

[Dollars in thousands]

Institution and ranking	1991	1992	1993	1994	1995	1996	1997	1998
Total, all institutions	214,164	244,353	232,667	281,378	328,787	286,388	327,321	292,991
1 Howard University	24,858	25,229	24,967	25,105	34,693	33,860	29,987	28,079
2 Florida A&M University	15,259	12,046	14,052	17,737	15,483	16,743	21,546	23,644
3 NC Ag & Tech State U	11,649	11,872	15,386	17,519	18,124	15,647	16,384	15,849
4 Morehouse School of Med	7,275	8,563	4,300	11,662	9,817	13,923	27,565	13,591
5 Clark Atlanta University	13,451	29,449	22,439	25,753	23,034	15,272	14,055	13,163
6 Tennessee State U	9,305	9,185	8,189	10,745	12,205	11,951	12,592	12,067
7 Hampton University	6,940	7,247	6,362	11,975	11,834	11,163	15,485	11,968
8 Southern U A&M All Cmp	6,133	6,117	7,139	8,964	11,079	10,684	8,815	11,932
9 Morgan State University	1,179	3,294	2,677	6,825	5,331	5,674	6,189	11,494
10 Prairie View A&M U	6,896	7,891	8,103	9,938	13,572	8,061	13,484	10,995
Total 1st 10 institutions	102,945	120,893	113,614	146,223	155,172	142,978	166,102	152,782
11 Tuskegee University	10,377	8,613	9,204	10,742	17,071	11,845	9,946	10,662
12 Jackson State University	4,349	6,478	8,717	5,532	8,539	6,084	3,866	8,757
13 Meharry Medical College	10,647	12,464	7,944	14,923	12,868	12,577	11,645	8,498
14 Alabama A & M University	8,508	10,296	9,085	10,020	10,149	8,747	12,093	8,111
15 Morehouse College	4,517	3,200	2,464	4,047	9,539	8,964	2,923	6,853
16 U of MD Eastern Shore	3,361	3,795	3,830	3,423	4,339	3,602	5,911	5,661
17 Lincoln U (Jeffersn City)	4,063	5,164	5,037	5,891	5,204	4,929	5,069	5,498
18 Alcorn State University	4,035	4,648	4,124	3,774	4,588	4,989	4,847	5,418
19 Virginia State University	5,616	5,423	4,609	4,943	5,511	4,366	6,703	5,417
20 U of Arkansas Pine Bluff	3,886	4,431	4,714	4,322	4,449	4,947	6,158	5,280
Total 1st 20 institutions	162,304	185,405	173,342	213,840	237,429	214,028	235,263	222,937
21 Xavier U of Louisiana	3,037	3,822	1,891	2,711	3,771	4,504	6,252	5,217
22 Kentucky State University	4,988	5,111	5,285	5,686	5,339	5,584	5,132	5,201
23 Fort Valley State U	3,930	4,629	4,793	4,640	5,105	4,660	4,546	5,128
24 SC State University	4,335	4,957	4,677	6,597	11,901	4,375	6,592	4,523
25 Spelman College	2,214	2,362	2,859	2,401	6,184	2,598	8,604	4,167
26 Langston University	3,479	4,021	3,719	2,993	3,993	3,441	4,313	4,138
27 University of DC	4,044	3,988	3,388	4,581	4,525	3,879	4,440	3,468
28 Bowie State University	370	378	731	320	2,174	1,517	2,584	3,385
29 Fisk University	2,165	1,482	1,761	2,259	2,396	1,993	3,551	2,914
30 Delaware State University	2,044	2,499	2,824	2,622	2,529	2,848	3,601	2,692
Total 1st 30 institutions	192,910	218,654	205,270	248,650	285,346	249,427	284,878	263,770
31 Norfolk State University	924	928	693	1,015	1,434	1,372	2,353	2,609
32 Savannah State University	422	308	365	212	609	454	221	1,996
33 Bethune Cookman College	812	574	673	517	632	958	2,318	1,855
34 Benedict College	913	898	191	816	813	1,073	1,980	1,368
35 U of the Virgin Islands	2,083	2,405	2,972	2,824	3,200	2,005	2,400	1,363
36 Lincoln U (Linc U PA)	719	902	1,532	2,368	1,782	903	998	1,362
37 Elizabeth City State U	85	70	257	575	1,135	1,279	2,244	1,353
38 Winston Salem State U	635	691	378	650	1,195	1,582	1,501	1,302
39 Fayetteville State U	286	580	185	680	819	1,246	1,257	1,124
40 Grambling State U	1,154	1,560	708	909	4,376	3,674	2,267	1,065
Total 1st 40 institutions	200,943	227,570	213,224	259,216	301,341	263,973	302,417	279,167
41 NC Central University	1,051	813	713	1,254	1,299	1,703	1,012	910
42 Texas Southern U	3,363	3,840	3,338	4,912	4,769	2,963	4,307	890
43 Mississippi Valley St U	637	746	779	701	645	0	930	867
44 Johnson C Smith U	504	562	42	557	2,386	971	682	844
45 Morris Brown College	503	1,525	1,223	1,278	1,966	2,468	930	843
46 Le Moyne Owen College	62	50	69	0	1,026	0	1,033	765
47 Tougaloo College	542	598	744	494	804	354	680	586
48 Talladega College	809	332	1,004	1,013	1,020	504	502	579
49 Coppin State College	145	167	500	553	427	379	325	568
50 Virginia Union University	195	161	484	397	405	451	319	567
Total 1st 50 institutions	208,754	236,364	222,120	270,375	316,088	273,766	313,137	286,586

See explanatory information, if any, and SOURCE at end of table.

Table B-19. Federal obligations for science and engineering to historically black colleges and universities, ranked by total amount received in fiscal year 1998: fiscal years 1991-98

[Dollars in thousands]

Institution and ranking	1991	1992	1993	1994	1995	1996	1997	1998
51 Oakwood College	206	424	564	449	493	444	49	562
52 Bennett Col (Greensboro)	451	500	710	642	1,593	131	1,314	545
53 Albany State University	471	683	134	627	376	482	213	526
54 Stillman College	289	294	564	374	651	350	616	454
55 Florida Memorial College	0	0	0	0	57	55	260	453
56 Voorhees College	83	164	324	297	380	236	563	397
57 Shaw University	248	296	1,480	221	773	367	1,167	390
58 Alabama State University	450	771	712	695	780	824	1,053	367
59 Wiley College	58	194	199	263	344	607	246	273
60 Claflin College	151	577	227	655	277	358	477	251
Total 1st 60 institutions	211,161	240,267	227,034	274,598	321,812	277,620	319,095	290,804
61 Jarvis Christian College	172	502	219	272	393	247	262	244
62 Concordia College (Selma)	0	0	0	0	210	210	218	223
63 St Augustines College	0	0	0	0	0	38	292	218
64 Rust College	140	634	636	563	846	104	246	210
65 Trenholm State Tech Col	0	0	24	202	175	180	185	191
66 Wilberforce University	6	11	433	477	482	244	153	185
67 Barber Scotia College	316	0	238	46	158	50	65	149
68 Morris College	0	63	132	65	147	54	62	135
69 Bishop State CC	0	0	0	0	0	0	180	119
70 Livingstone College	0	47	306	267	198	78	195	113
Total 1st 70 institutions	211,795	241,524	229,022	276,490	324,421	278,825	320,953	292,591
71 Philander Smith College	123	119	0	230	175	45	94	97
72 Central State U (Wilbrfc)	557	869	1,291	1,992	1,668	6,452	5,207	64
73 Paul Quinn College	0	0	0	0	0	0	138	57
74 Edward Waters College	0	0	0	300	300	100	200	50
75 Hinds CC Raymond	55	195	369	272	55	0	1	45
76 Paine College	0	40	0	155	39	27	32	32
77 Dillard University	217	205	120	349	702	228	103	24
78 Miles College	0	0	7	0	132	64	254	17
79 J F Drake St Tech Col	0	0	0	0	0	0	0	14
Bluefield State College	60	0	83	0	15	0	0	0
Total 1st 80 institutions	212,807	242,952	230,892	279,788	327,507	285,741	326,982	292,991
C A Fredd St Tech Col	0	268	0	0	0	0	0	0
Harris Stowe State Col	260	3	4	0	4	88	70	0
Huston Tillotson College	0	0	8	0	192	148	0	0
Knoxville College	0	0	334	247	345	197	0	0
Lane College	441	370	423	294	25	22	0	0
Lawson State CC	0	0	0	0	0	0	20	0
Lewis College of Business	0	98	0	0	0	0	0	0
Mary Holmes College	0	8	0	0	0	0	0	0
Selma University	301	380	643	732	141	138	0	0
Shorter Col (N Little Rk)	0	0	0	0	0	0	68	0
Total 1st 90 institutions	213,809	244,079	232,304	281,061	328,214	286,334	327,140	292,991
Southwestern Chrstn Col	0	0	0	124	91	54	0	0
St Pauls Col (Lawrencevl)	0	92	0	193	297	0	181	0
Texas College	50	0	0	0	0	0	0	0
WV State College	305	182	363	0	185	0	0	0
Total 1st 94 institutions	214,164	244,353	232,667	281,378	328,787	286,388	327,321	292,991

NOTE: Institutions having no current-year obligations are listed in alphabetical order.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-20. Federal obligations for science and engineering (S&E) to historically black colleges and universities, ranked by total amount received, by type of activity: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Total, all institutions	292,991	167,290	306	78	26,955	24,709	73,653
1 Howard University	28,079	21,992	200	40	1,706	1,353	2,788
2 Florida A&M University	23,644	16,201	0	0	1,042	2,073	4,328
3 NC Ag & Tech State U	15,849	9,679	0	0	785	886	4,499
4 Morehouse School of Med	13,591	10,196	0	0	1,276	2,119	0
5 Clark Atlanta University	13,163	9,072	0	0	879	1,147	2,065
6 Tennessee State U	12,067	6,732	0	0	710	933	3,692
7 Hampton University	11,968	8,868	106	0	1,745	0	1,249
8 Southern U A&M All Cmp	11,932	6,328	0	0	1,129	805	3,670
9 Morgan State University	11,494	4,277	0	0	798	586	5,833
10 Prairie View A&M U	10,995	6,651	0	0	730	676	2,938
Total 1st 10 institutions	152,782	99,996	306	40	10,800	10,578	31,062
11 Tuskegee University	10,662	7,407	0	0	519	958	1,778
12 Jackson State University	8,757	5,415	0	0	1,091	1,283	968
13 Meharry Medical College	8,498	6,062	0	0	1,020	1,398	18
14 Alabama A & M University	8,111	5,313	0	0	370	204	2,224
15 Morehouse College	6,853	2,099	0	0	1,681	46	3,027
16 U of MD Eastern Shore	5,661	2,284	0	0	427	63	2,887
17 Lincoln U (Jeffersn City)	5,498	1,877	0	0	164	475	2,982
18 Alcorn State University	5,418	2,762	0	0	210	1,168	1,278
19 Virginia State University	5,417	3,016	0	0	356	171	1,874
20 U of Arkansas Pine Bluff	5,280	3,032	0	0	162	531	1,555
Total 1st 20 institutions	222,937	139,263	306	40	16,800	16,875	49,653
21 Xavier U of Louisiana	5,217	723	0	0	519	375	3,600
22 Kentucky State University	5,201	2,478	0	7	184	92	2,440
23 Fort Valley State U	5,128	2,119	0	0	707	302	2,000
24 SC State University	4,523	2,157	0	0	287	556	1,523
25 Spelman College	4,167	1,194	0	0	1,560	508	905
26 Langston University	4,138	1,820	0	0	100	657	1,561
27 University of DC	3,468	1,077	0	0	378	962	1,051
28 Bowie State University	3,385	1,028	0	0	0	0	2,357
29 Fisk University	2,914	2,160	0	0	0	221	533
30 Delaware State University	2,692	1,088	0	0	438	238	928
Total 1st 30 institutions	263,770	155,107	306	47	20,973	20,786	66,551
31 Norfolk State University	2,609	1,754	0	0	116	0	739
32 Savannah State University	1,996	741	0	0	0	0	1,255
33 Bethune Cookman College	1,855	632	0	0	420	580	223
34 Benedict College	1,368	801	0	0	295	172	100
35 U of the Virgin Islands	1,363	981	0	0	185	197	0
36 Lincoln U (Linc U PA)	1,362	1,052	0	0	310	0	0
37 Elizabeth City State U	1,353	1,048	0	31	0	124	150
38 Winston Salem State U	1,302	771	0	0	236	245	50
39 Fayetteville State U	1,124	140	0	0	100	244	640
40 Grambling State U	1,065	492	0	0	441	132	0
Total 1st 40 institutions	279,167	163,519	306	78	23,076	22,480	69,708

See explanatory information, if any, and SOURCE at end of table.

Table B-20. Federal obligations for science and engineering (S&E) to historically black colleges and universities, ranked by total amount received, by type of activity: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
41 NC Central University	910	652	0	0	258	0	0
42 Texas Southern U	890	428	0	0	14	0	448
43 Mississippi Valley St U	867	212	0	0	565	0	90
44 Johnson C Smith U	844	385	0	0	236	0	223
45 Morris Brown College	843	476	0	0	0	278	89
46 Le Moyne Owen College	765	0	0	0	0	65	700
47 Tougaloo College	586	71	0	0	352	163	0
48 Talladega College	579	0	0	0	334	245	0
49 Coppin State College	568	0	0	0	568	0	0
50 Virginia Union University	567	181	0	0	386	0	0
Total 1st 50 institutions	286,586	165,924	306	78	25,789	23,231	71,258
51 Oakwood College	562	297	0	0	265	0	0
52 Bennett Col (Greensboro)	545	179	0	0	212	154	0
53 Albany State University	526	92	0	0	303	15	116
54 Stillman College	454	0	0	0	152	302	0
55 Florida Memorial College	453	0	0	0	0	0	453
56 Voorhees College	397	0	0	0	0	56	341
57 Shaw University	390	50	0	0	140	0	200
58 Alabama State University	367	36	0	0	72	259	0
59 Wiley College	273	0	0	0	22	0	251
60 Claflin College	251	0	0	0	0	0	251
Total 1st 60 institutions	290,804	166,578	306	78	26,955	24,017	72,870
61 Jarvis Christian College	244	189	0	0	0	55	0
62 Concordia College (Selma)	223	0	0	0	0	0	223
63 St Augustines College	218	92	0	0	0	0	126
64 Rust College	210	50	0	0	0	160	0
65 Trenholm State Tech Col	191	0	0	0	0	0	191
66 Wilberforce University	185	185	0	0	0	0	0
67 Barber Scotia College	149	0	0	0	0	149	0
68 Morris College	135	0	0	0	0	0	135
69 Bishop State CC	119	0	0	0	0	35	84
70 Livingstone College	113	83	0	0	0	30	0
Total 1st 70 institutions	292,591	167,177	306	78	26,955	24,446	73,629
71 Philander Smith College	97	0	0	0	0	97	0
72 Central State U (Wbrfc)	64	0	0	0	0	64	0
73 Paul Quinn College	57	0	0	0	0	57	0
74 Edward Waters College	50	50	0	0	0	0	0
75 Hinds CC Raymond	45	0	0	0	0	45	0
76 Paine College	32	32	0	0	0	0	0
77 Dillard University	24	0	0	0	0	0	24
78 Miles College	17	17	0	0	0	0	0
79 J F Drake St Tech Col	14	14	0	0	0	0	0
Total 1st 79 institutions	292,991	167,290	306	78	26,955	24,709	73,653

[1] See Technical Notes, "Categories of Support."

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-21. Federal obligations for science and engineering to historically black colleges and universities, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
Total, all institutions	292,991	78,513	1,685	27,157	9,106	7,504	2,472	74,746	880	45,511	43,898	1,519
1 Howard University	28,079	47	94	4,196	637	906	555	13,108	0	2,476	5,557	503
2 Florida A&M University	23,644	4,140	75	2,423	418	2,501	0	4,500	0	5,447	4,140	0
3 NC Ag & Tech State U	15,849	6,304	0	1,590	136	200	28	418	0	3,380	3,793	0
4 Morehouse School of Med	13,591	0	0	0	0	0	0	13,591	0	0	0	0
5 Clark Atlanta University	13,163	146	100	3,427	404	519	81	3,027	0	2,399	2,815	245
6 Tennessee State U	12,067	5,085	0	1,101	355	60	0	2,109	0	928	2,429	0
7 Hampton University	11,968	0	99	2,435	623	386	22	1,107	0	5,815	1,481	0
8 Southern U A&M All Cmp	11,932	4,015	0	1,034	753	405	962	1,456	0	1,391	1,916	0
9 Morgan State University	11,494	0	99	1,046	0	0	181	2,133	0	1,595	5,940	500
10 Prairie View A&M U	10,995	6,465	0	141	0	769	13	411	0	2,975	0	221
Total 1st 10 institutions	152,782	26,202	467	17,393	3,326	5,746	1,842	41,860	0	26,406	28,071	1,469
11 Tuskegee University	10,662	4,220	0	608	0	275	21	2,616	0	1,959	963	0
12 Jackson State University	8,757	10	7	579	337	160	0	5,141	0	516	2,005	0
13 Meharry Medical College	8,498	0	0	0	0	0	0	8,498	0	0	0	0
14 Alabama A & M University	8,111	4,135	0	2,415	107	30	95	131	0	1,198	0	0
15 Morehouse College	6,853	31	0	350	324	58	0	1,107	0	1,809	3,174	0
16 U of MD Eastern Shore	5,661	2,958	908	780	63	50	0	0	0	86	816	0
17 Lincoln U (Jeffersn City)	5,498	5,268	0	0	0	0	0	180	0	0	0	50
18 Alcorn State University	5,418	4,252	0	0	26	0	0	857	0	283	0	0
19 Virginia State University	5,417	4,276	0	288	0	0	0	165	588	0	0	0
20 U of Arkansas Pine Bluff	5,280	4,887	0	82	0	0	0	232	79	0	0	0
Total 1st 20 institutions	222,937	56,239	1,382	22,495	4,183	6,319	1,958	60,787	767	32,259	35,029	1,519
21 Xavier U of Louisiana	5,217	0	100	101	0	98	71	721	0	364	3,762	0
22 Kentucky State University	5,201	5,153	0	48	0	0	0	0	0	0	0	0
23 Fort Valley State U	5,128	4,922	0	39	82	52	0	0	33	0	0	0
24 SC State University	4,523	3,471	0	162	283	171	0	278	0	158	0	0
25 Spelman College	4,167	0	0	243	0	0	60	1,359	0	2,305	200	0
26 Langston University	4,138	4,038	0	0	100	0	0	0	0	0	0	0
27 University of DC	3,468	1,526	0	396	168	0	0	1,198	0	0	180	0
28 Bowie State University	3,385	0	0	99	0	0	0	38	0	3,013	235	0
29 Fisk University	2,914	0	0	84	0	285	0	312	0	1,759	474	0
30 Delaware State University	2,692	1,560	0	440	0	0	0	548	0	98	46	0
Total 1st 30 institutions	263,770	76,909	1,482	24,107	4,816	6,925	2,089	65,241	800	39,956	39,926	1,519
31 Norfolk State University	2,609	0	0	150	100	81	16	245	0	928	1,089	0
32 Savannah State University	1,996	0	0	0	0	0	0	185	0	222	1,589	0
33 Bethune Cookman College	1,855	0	13	0	382	25	0	605	0	830	0	0
34 Benedict College	1,368	0	100	0	70	0	0	1,098	0	100	0	0
35 U of the Virgin Islands	1,363	931	0	0	0	0	0	382	50	0	0	0
36 Lincoln U (Linc U PA)	1,362	0	0	600	0	0	0	420	0	342	0	0
37 Elizabeth City State U	1,353	0	0	344	124	423	0	92	0	339	31	0
38 Winston Salem State U	1,302	0	0	0	63	0	0	1,141	0	48	50	0
39 Fayetteville State U	1,124	0	0	77	47	25	0	197	0	542	236	0
40 Grambling State U	1,065	0	0	436	132	0	66	401	30	0	0	0
Total 1st 40 institutions	279,167	77,840	1,595	25,714	5,734	7,479	2,171	70,007	880	43,307	42,921	1,519
41 NC Central University	910	58	0	50	166	0	21	595	0	0	20	0
42 Texas Southern U	890	0	0	0	285	0	14	0	0	428	163	0
43 Mississippi Valley St U	867	565	90	0	0	0	0	0	0	212	0	0
44 Johnson C Smith U	844	0	0	120	223	0	20	481	0	0	0	0
45 Morris Brown College	843	0	0	134	278	0	0	371	0	60	0	0
46 Le Moyne Owen College	765	0	0	0	0	0	0	65	0	0	700	0
47 Tougaloo College	586	0	0	0	0	0	0	586	0	0	0	0
48 Talladega College	579	0	0	0	58	0	0	521	0	0	0	0
49 Coppin State College	568	0	0	0	568	0	0	0	0	0	0	0
50 Virginia Union University	567	0	0	181	0	0	84	302	0	0	0	0
Total 1st 50 institutions	286,586	78,463	1,685	26,199	7,312	7,479	2,310	72,928	880	44,007	43,804	1,519

See explanatory information, if any, and SOURCE at end of table.

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Table B-21. Federal obligations for science and engineering to historically black colleges and universities, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
51 Oakwood College	562	0	0	501	0	0	0	61	0	0	0	0
52 Bennett Col (Greensboro)	545	0	0	151	0	0	0	394	0	0	0	0
53 Albany State University	526	0	0	0	0	25	0	303	0	198	0	0
54 Stillman College	454	0	0	0	223	0	0	231	0	0	0	0
55 Florida Memorial College	453	0	0	0	0	0	0	0	0	453	0	0
56 Voorhees College	397	0	0	0	307	0	0	0	0	90	0	0
57 Shaw University	390	50	0	0	0	0	140	0	0	200	0	0
58 Alabama State University	367	0	0	0	0	0	0	367	0	0	0	0
59 Wiley College	273	0	0	0	251	0	22	0	0	0	0	0
60 Claflin College	251	0	0	0	251	0	0	0	0	0	0	0
Total 1st 60 institutions	290,804	78,513	1,685	26,851	8,344	7,504	2,472	74,284	880	44,948	43,804	1,519
61 Jarvis Christian College	244	0	0	89	0	0	0	55	0	100	0	0
62 Concordia College (Selma)	223	0	0	0	223	0	0	0	0	0	0	0
63 St Augustines College	218	0	0	0	0	0	0	118	0	100	0	0
64 Rust College	210	0	0	50	0	0	0	160	0	0	0	0
65 Trenholm State Tech Col	191	0	0	0	0	0	0	0	0	191	0	0
66 Wilberforce University	185	0	0	0	0	0	0	0	0	105	80	0
67 Barber Scotia College	149	0	0	0	149	0	0	0	0	0	0	0
68 Morris College	135	0	0	0	135	0	0	0	0	0	0	0
69 Bishop State CC	119	0	0	84	35	0	0	0	0	0	0	0
70 Livingstone College	113	0	0	83	30	0	0	0	0	0	0	0
Total 1st 70 institutions	292,591	78,513	1,685	27,157	8,916	7,504	2,472	74,617	880	45,444	43,884	1,519
71 Philander Smith College	97	0	0	0	0	0	0	97	0	0	0	0
72 Central State U (Wlbrfc)	64	0	0	0	64	0	0	0	0	0	0	0
73 Paul Quinn College	57	0	0	0	57	0	0	0	0	0	0	0
74 Edward Waters College	50	0	0	0	0	0	0	0	0	50	0	0
75 Hinds CC Raymond	45	0	0	0	45	0	0	0	0	0	0	0
76 Paine College	32	0	0	0	0	0	0	32	0	0	0	0
77 Dillard University	24	0	0	0	24	0	0	0	0	0	0	0
78 Miles College	17	0	0	0	0	0	0	0	0	17	0	0
79 J F Drake St Tech Col	14	0	0	0	0	0	0	0	0	0	14	0
Total 1st 79 institutions	292,991	78,513	1,685	27,157	9,106	7,504	2,472	74,746	880	45,511	43,898	1,519

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
Int = Department of the Interior
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies. Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-22. Federal obligations for science and engineering research and development to historically black colleges and universities, ranked by total amount received in fiscal year 1998: fiscal years 1991-98

[Dollars in thousands]

Institution and ranking	1991	1992	1993	1994	1995	1996	1997	1998
Total, all institutions	122,928	143,548	140,981	177,145	202,671	188,445	184,964	167,290
1 Howard University	19,124	19,433	18,417	19,789	30,642	29,207	23,632	21,992
2 Florida A&M University	10,121	7,372	9,247	12,864	10,035	11,339	11,103	16,201
3 Morehouse School of Med	6,051	6,369	3,904	8,420	8,679	10,824	10,474	10,196
4 NC Ag & Tech State U	5,955	6,199	11,372	9,884	13,359	11,050	9,848	9,679
5 Clark Atlanta University	11,010	23,201	7,673	22,097	18,874	11,759	9,624	9,072
6 Hampton University	5,672	5,244	6,157	8,857	8,601	8,015	12,859	8,868
7 Tuskegee University	5,165	5,360	7,008	7,955	10,897	7,272	7,311	7,407
8 Tennessee State U	5,467	5,267	5,025	7,216	8,482	8,411	5,382	6,732
9 Prairie View A&M U	3,472	4,145	4,916	6,207	9,731	4,791	9,501	6,651
10 Southern U A&M All Cmp	2,599	2,685	4,742	5,752	4,284	5,701	5,279	6,328
Total 1st 10 institutions	74,636	85,275	78,461	109,041	123,584	108,369	105,013	103,126
11 Meharry Medical College	8,728	9,154	6,214	10,420	9,512	9,920	8,277	6,062
12 Jackson State University	3,184	4,190	6,374	3,772	4,600	3,712	2,112	5,415
13 Alabama A & M University	5,411	6,770	6,501	7,010	7,493	6,511	9,638	5,313
14 Morgan State University	603	1,650	1,307	5,378	2,651	5,341	4,962	4,277
15 U of Arkansas Pine Bluff	1,545	1,594	1,641	1,685	2,064	2,875	2,096	3,032
16 Virginia State University	2,348	2,430	2,247	2,407	3,095	2,309	3,943	3,016
17 Alcorn State University	1,819	2,081	2,151	1,889	2,093	2,671	2,450	2,762
18 Kentucky State University	2,364	2,355	2,650	2,880	2,393	2,680	2,291	2,478
19 U of MD Eastern Shore	1,560	1,673	1,980	1,693	1,141	1,347	1,326	2,284
20 Fisk University	705	1,139	1,759	1,761	2,101	1,663	2,461	2,160
Total 1st 20 institutions	102,903	118,311	111,285	147,936	160,727	147,398	144,569	139,925
21 SC State University	1,839	2,263	2,287	3,018	2,401	2,232	4,053	2,157
22 Fort Valley State U	1,897	2,554	2,598	2,367	2,790	2,582	2,991	2,119
23 Morehouse College	778	523	796	754	2,184	7,555	698	2,099
24 Lincoln U (Jeffersn City)	1,909	2,118	1,887	2,358	2,008	1,964	2,323	1,877
25 Langston University	1,851	2,053	1,589	1,315	2,218	1,576	2,337	1,820
26 Norfolk State University	209	562	387	480	962	887	1,135	1,754
27 Spelman College	320	282	1,252	353	2,148	1,253	3,265	1,194
28 Delaware State University	647	1,068	1,531	618	1,190	1,166	1,374	1,088
29 University of DC	2,202	2,087	2,150	2,507	2,790	1,806	1,896	1,077
30 Lincoln U (Linc U PA)	525	318	1,232	453	1,192	736	684	1,052
Total 1st 30 institutions	115,080	132,139	126,994	162,159	180,610	169,155	165,327	156,162
31 Elizabeth City State U	29	70	257	251	926	1,279	1,471	1,048
32 Bowie State University	175	226	541	132	1,940	891	1,198	1,028
33 U of the Virgin Islands	1,048	1,167	1,210	1,368	1,545	1,052	1,068	981
34 Benedict College	0	0	157	219	325	690	1,554	801
35 Winston Salem State U	0	0	0	0	142	506	664	771
36 Savannah State University	6	0	0	34	367	454	221	741
37 Xavier U of Louisiana	1,821	2,762	1,405	1,686	1,256	3,305	4,422	723
38 NC Central University	411	214	521	206	363	274	479	652
39 Bethune Cookman College	80	110	0	88	252	2	1,203	632
40 Grambling State U	269	646	617	309	3,878	2,960	883	492
Total 1st 40 institutions	118,919	137,336	131,702	166,452	191,604	180,668	178,490	164,031
41 Morris Brown College	244	1,002	1,154	1,174	1,493	1,430	580	476
42 Texas Southern U	1,918	2,153	2,277	3,973	3,316	2,146	1,929	428
43 Johnson C Smith U	11	35	0	195	214	216	276	385
44 Oakwood College	0	198	0	164	80	108	0	297
45 Mississippi Valley St U	0	81	131	1	0	0	190	212
46 Jarvis Christian College	172	502	219	89	223	166	208	189
47 Wilberforce University	6	11	433	477	482	238	153	185
48 Virginia Union University	0	0	324	0	90	130	128	181
49 Bennett Col (Greensboro)	90	251	206	188	394	26	784	179
50 Fayetteville State U	0	147	112	117	130	178	103	140
Total 1st 50 institutions	121,360	141,716	136,558	172,830	198,036	185,306	182,841	166,703

See explanatory information, if any, and SOURCE at end of table.

Table B-22. Federal obligations for science and engineering research and development to historically black colleges and universities, ranked by total amount received in fiscal year 1998: fiscal years 1991-98

[Dollars in thousands]

Institution and ranking	1991	1992	1993	1994	1995	1996	1997	1998
51 Albany State University	0	0	0	0	0	0	0	92
52 St Augustines College	0	0	0	0	0	38	192	92
53 Livingstone College	0	0	306	0	0	0	176	83
54 Tougaloo College	0	0	0	0	52	77	45	71
55 Edward Waters College	0	0	0	300	300	100	200	50
56 Rust College	50	342	188	178	269	100	100	50
57 Shaw University	32	52	74	71	78	92	500	50
58 Alabama State University	130	167	12	56	122	46	99	36
59 Paine College	0	40	0	155	0	27	32	32
60 Miles College	0	0	0	0	132	64	38	17
Total 1st 60 institutions	121,572	142,317	137,138	173,590	198,989	185,850	184,223	167,276
61 J F Drake St Tech Col	0	0	0	0	0	0	0	14
Barber Scotia College	0	0	238	0	0	0	0	0
Bluefield State College	60	0	76	0	15	0	0	0
Central State U (Wilbrfc)	441	428	1,139	1,696	1,208	959	168	0
Claflin College	151	162	227	111	0	122	199	0
Coppin State College	25	0	0	75	0	0	52	0
Dillard University	24	100	120	325	316	206	103	0
Florida Memorial College	0	0	0	0	0	0	58	0
Harris Stowe State Col	2	3	4	0	4	88	0	0
Hinds CC Raymond	0	2	369	1	0	0	0	0
Total 1st 70 institutions	122,275	143,012	139,311	175,798	200,532	187,225	184,803	167,290
Huston Tillotson College	0	0	8	0	192	148	0	0
Knoxville College	0	0	248	247	200	197	0	0
Lane College	0	0	44	0	0	0	0	0
Lawson State CC	0	0	0	0	0	0	20	0
Le Moyne Owen College	62	50	69	0	1,026	0	20	0
Lewis College of Business	0	98	0	0	0	0	0	0
Mary Holmes College	0	8	0	0	0	0	0	0
Philander Smith College	6	0	0	65	0	0	0	0
Selma University	0	139	127	306	0	138	0	0
Stillman College	0	0	25	0	99	0	74	0
Total 1st 80 institutions	122,343	143,307	139,832	176,416	202,049	187,708	184,917	167,290
Talladega College	222	0	239	428	81	366	47	0
Trenholm State Tech Col	0	0	24	178	175	0	0	0
Voorhees College	0	0	324	50	85	0	0	0
WV State College	305	182	363	0	185	0	0	0
Wiley College	58	59	199	73	96	371	0	0
Total 1st 85 institutions	122,928	143,548	140,981	177,145	202,671	188,445	184,964	167,290

NOTE: Institutions having no current-year obligations are listed in alphabetical order.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-23. Federal obligations for science and engineering research and development to historically black colleges and universities, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD [1]	ED	DOE	EPA	HHS	NASA	NSF	Other [2]
Total, all institutions	167,290	35,512	94	26,314	0	7,279	1,751	45,855	30,960	17,311	2,214
1 Howard University	21,992	47	94	4,196	0	856	513	10,271	1,805	3,707	503
2 Florida A&M University	16,201	2,005	0	2,423	0	2,501	0	2,897	4,735	1,640	0
3 Morehouse School of Med	10,196	0	0	0	0	0	0	10,196	0	0	0
4 NC Ag & Tech State U	9,679	2,528	0	1,425	0	200	0	0	3,276	2,250	0
5 Clark Atlanta University	9,072	146	0	3,327	0	394	0	1,486	2,199	1,275	245
6 Hampton University	8,868	0	0	2,435	0	386	0	580	4,092	1,375	0
7 Tuskegee University	7,407	1,992	0	608	0	275	0	1,729	1,922	881	0
8 Tennessee State U	6,732	2,677	0	1,101	0	60	0	1,021	473	1,400	0
9 Prairie View A&M U	6,651	2,545	0	141	0	769	0	0	2,975	0	221
10 Southern U A&M All Cmp	6,328	1,781	0	1,034	0	405	962	1,058	1,032	56	0
Total 1st 10 institutions	103,126	13,721	94	16,690	0	5,846	1,475	29,238	22,509	12,584	969
11 Meharry Medical College	6,062	0	0	0	0	0	0	6,062	0	0	0
12 Jackson State University	5,415	0	0	574	0	160	0	3,261	378	1,042	0
13 Alabama A & M University	5,313	1,643	0	2,389	0	30	55	131	1,065	0	0
14 Morgan State University	4,277	0	0	1,046	0	0	171	941	1,439	315	365
15 U of Arkansas Pine Bluff	3,032	2,774	0	82	0	0	0	97	0	0	79
16 Virginia State University	3,016	1,875	0	288	0	0	0	165	0	0	688
17 Alcorn State University	2,762	2,393	0	0	0	0	0	86	283	0	0
18 Kentucky State University	2,478	2,430	0	48	0	0	0	0	0	0	0
19 U of MD Eastern Shore	2,284	1,437	0	780	0	50	0	0	0	17	0
20 Fisk University	2,160	0	0	84	0	285	0	91	1,260	440	0
Total 1st 20 institutions	139,925	26,273	94	21,981	0	6,371	1,701	40,072	26,934	14,398	2,101
21 SC State University	2,157	1,388	0	162	0	171	0	278	158	0	0
22 Fort Valley State U	2,119	1,995	0	39	0	52	0	0	0	0	33
23 Morehouse College	2,099	31	0	350	0	58	0	809	281	570	0
24 Lincoln U (Jeffersn City)	1,877	1,877	0	0	0	0	0	0	0	0	0
25 Langston University	1,820	1,820	0	0	0	0	0	0	0	0	0
26 Norfolk State University	1,754	0	0	150	0	81	0	245	189	1,089	0
27 Spelman College	1,194	0	0	243	0	0	0	851	50	50	0
28 Delaware State University	1,088	535	0	270	0	0	0	164	98	21	0
29 University of DC	1,077	554	0	396	0	0	0	27	0	100	0
30 Lincoln U (Linc U PA)	1,052	0	0	600	0	0	0	200	252	0	0
Total 1st 30 institutions	156,162	34,473	94	24,191	0	6,733	1,701	42,646	27,962	16,228	2,134
31 Elizabeth City State U	1,048	0	0	344	0	423	0	92	189	0	0
32 Bowie State University	1,028	0	0	99	0	0	0	38	656	235	0
33 U of the Virgin Islands	981	931	0	0	0	0	0	0	0	0	50
34 Benedict College	801	0	0	0	0	0	0	701	100	0	0
35 Winston Salem State U	771	0	0	0	0	0	0	723	48	0	0
36 Savannah State University	741	0	0	0	0	0	0	185	122	434	0
37 Xavier U of Louisiana	723	0	0	101	0	98	50	0	212	262	0
38 NC Central University	652	58	0	50	0	0	0	524	0	20	0
39 Bethune Cookman College	632	0	0	0	0	0	0	25	607	0	0
40 Grambling State U	492	0	0	436	0	0	0	26	0	0	30
Total 1st 40 institutions	164,031	35,462	94	25,221	0	7,254	1,751	44,960	29,896	17,179	2,214
41 Morris Brown College	476	0	0	45	0	0	0	371	60	0	0
42 Texas Southern U	428	0	0	0	0	0	0	0	428	0	0
43 Johnson C Smith U	385	0	0	120	0	0	0	265	0	0	0
44 Oakwood College	297	0	0	297	0	0	0	0	0	0	0
45 Mississippi Valley St U	212	0	0	0	0	0	0	0	212	0	0
46 Jarvis Christian College	189	0	0	89	0	0	0	0	100	0	0
47 Wilberforce University	185	0	0	0	0	0	0	0	105	80	0
48 Virginia Union University	181	0	0	181	0	0	0	0	0	0	0
49 Bennett Col (Greensboro)	179	0	0	151	0	0	0	28	0	0	0
50 Fayetteville State U	140	0	0	77	0	25	0	0	0	38	0
Total 1st 50 institutions	166,703	35,462	94	26,181	0	7,279	1,751	45,624	30,801	17,297	2,214

See explanatory information, if any, and SOURCE at end of table.

Table B-23. Federal obligations for science and engineering research and development to historically black colleges and universities, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD [1]	ED	DOE	EPA	HHS	NASA	NSF	Other [2]
51 Albany State University	92	0	0	0	0	0	0	0	92	0	0
52 St Augustines College	92	0	0	0	0	0	0	92	0	0	0
53 Livingstone College	83	0	0	83	0	0	0	0	0	0	0
54 Tougaloo College	71	0	0	0	0	0	0	71	0	0	0
55 Edward Waters College	50	0	0	0	0	0	0	0	50	0	0
56 Rust College	50	0	0	50	0	0	0	0	0	0	0
57 Shaw University	50	50	0	0	0	0	0	0	0	0	0
58 Alabama State University	36	0	0	0	0	0	0	36	0	0	0
59 Paine College	32	0	0	0	0	0	0	32	0	0	0
60 Miles College	17	0	0	0	0	0	0	0	17	0	0
61 J F Drake St Tech Col	14	0	0	0	0	0	0	0	0	14	0
Total 1st 61 institutions	167,290	35,512	94	26,314	0	7,279	1,751	45,855	30,960	17,311	2,214

[1] The Department of Defense (DoD) states that more than 90 percent of its development obligations reported for universities and colleges are performed at university-affiliated laboratories that are separate from the academic departments. Furthermore, DoD states that much of its development obligations are for major systems development, that such obligations differ from its obligations for advanced technology development, and that DoD total development obligations are therefore not comparable with development obligations at other Federal agencies. Refer to table B-17 for DoD obligations to individual institutions, by research and development breakdowns.

[2] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Interior, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-24. Federal obligations for science and engineering to systems of universities and colleges, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

System of universities and colleges	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Total, all systems	6,010,702	422,533	104,395	569,423	120,915	224,578	91,719	3,008,560	350,577	1,026,472	91,530
1 U of CA System	1,377,837	31,363	17,143	117,314	10,904	67,968	15,832	788,494	70,841	249,067	8,911
2 U of Texas Sys	518,301	364	2,284	75,306	3,486	11,645	2,747	359,235	14,430	48,390	414
3 U of North Carolina Sys	326,624	34,659	6,225	30,315	13,370	5,015	13,402	171,654	8,486	31,804	11,694
4 State U Sys of Florida	275,030	21,990	4,714	48,617	8,522	19,732	1,802	85,447	19,628	58,821	5,757
5 U of Wisconsin Sys	261,908	20,210	1,321	9,711	8,690	18,845	0	140,341	10,845	49,092	2,853
6 U of Illinois Sys	256,790	23,439	646	25,576	4,972	13,630	3,529	93,883	5,209	83,659	2,247
7 Columbia U Sys	247,639	0	5,722	8,493	74	8,528	212	176,227	11,601	36,454	328
8 U of Maryland Sys	234,447	13,407	7,510	20,312	2,923	8,175	3,931	100,775	43,690	32,096	1,628
9 U of Alabama Sys	200,936	224	100	10,520	1,831	3,301	0	140,426	29,576	11,377	3,581
10 U & St Col AZ System	197,175	9,939	2,604	19,895	3,175	4,523	5,846	78,463	21,905	48,251	2,574
11 State U of New York Sys	191,430	1,058	1,339	13,443	7,623	9,156	1,229	112,529	4,997	39,283	773
12 U Sys of Georgia	185,947	29,318	5,670	52,221	2,175	5,229	3,517	42,565	7,746	34,888	2,618
13 Oregon St Higher Ed Sys	185,741	16,565	7,437	13,038	8,682	3,157	6,783	89,008	5,516	27,855	7,700
14 Utah Higher Ed Sys	160,117	8,627	643	28,015	4,777	4,161	1,426	76,099	12,313	23,513	543
15 City U of New York Sys	131,634	230	0	3,211	4,406	1,388	0	99,519	4,546	17,710	624
16 Indiana U Sys	112,683	288	100	1,049	622	4,514	230	83,676	1,097	20,965	142
17 U of Massachusetts Sys	110,455	8,643	458	8,068	820	2,491	509	66,092	1,982	21,130	262
18 Texas A&M U Sys	96,835	36,597	917	4,531	745	4,921	1,439	23,059	8,695	11,376	4,555
19 CA St U & Col System	95,093	1,237	127	7,440	12,950	1,155	3,405	27,280	9,107	25,146	7,243
20 Louisiana State U Sys	91,367	17,749	210	20,726	427	2,185	4,992	32,708	2,976	5,531	3,863
21 U of Missouri Sys	84,689	19,042	1,068	4,885	3,917	2,233	2,691	32,534	1,437	15,907	975
22 Colorado St U System	78,606	10,469	9,954	7,141	150	3,089	3,761	25,325	3,778	12,377	2,562
23 U of Hawaii Sys	74,210	11,544	4,627	4,349	1,463	2,669	56	19,503	10,544	15,356	4,099
24 U of Tennessee Sys	69,454	17,398	2,782	2,458	951	5,359	1,124	29,999	582	7,153	1,648
25 U of Arkansas Sys	62,630	23,704	351	3,377	3,006	50	381	24,756	1,505	4,756	744
26 U of Nebraska Sys	61,644	16,092	95	4,345	621	562	0	21,646	2,342	12,571	3,370
27 U of Puerto Rico Sys	54,011	12,451	145	2,016	223	841	0	21,375	5,228	11,707	25
28 Montana U Sys	44,123	8,797	5,499	4,541	1,498	985	962	6,703	2,530	11,318	1,290
29 U of Nevada Sys	36,607	4,066	2,899	1,559	112	5,903	1,504	9,891	869	8,615	1,189
30 U of Alaska Sys	35,603	4,113	4,133	936	346	0	780	2,348	10,254	9,402	3,291
31 U of New Hampshire Sys	31,289	4,181	2,297	3,320	318	609	0	2,714	9,461	5,422	2,967
32 St U & CC Sys Tennessee	22,977	5,271	105	1,171	1,205	386	267	9,224	1,229	3,772	347
33 U of Maine Sys	21,485	7,326	2,505	3,342	545	73	729	1,715	1,048	3,902	300
34 U of Houston Sys	21,055	310	43	5,469	76	1,042	112	5,532	2,710	5,711	50
35 U of Louisiana Sys	11,244	224	2,212	1,669	531	416	1,334	2,091	174	2,308	285
36 Southern Illinois U Sys	9,871	887	0	20	1,134	642	0	3,330	19	3,839	0
37 Texas State University Sys	9,434	60	0	528	503	0	7,148	416	85	694	0
38 Maricopa CC Sys	5,981	0	0	0	0	0	0	0	0	5,981	0
39 Claremont Colleges Sys	3,492	24	0	17	296	0	0	1,145	36	1,974	0
40 Massachusetts CC Sys	2,016	0	0	0	437	0	0	0	0	1,579	0

See explanatory information, if any, and SOURCE at end of table.

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Table B-24. Federal obligations for science and engineering to systems of universities and colleges, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

System of universities and colleges	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
41 Fundacion Ed G Mendez	1,761	9	0	0	219	0	0	0	0	1,533	0
42 Inter American U PR Sys	1,650	414	0	0	778	0	0	191	0	267	0
43 Foothill Deanza CC Dist	1,609	0	0	0	0	0	0	0	1,309	300	0
44 Minnesota Cmty Col Sys	1,325	243	100	0	110	0	33	207	128	504	0
45 U of South Dakota Sys	1,241	0	0	130	223	0	0	0	0	888	0
46 NC Cmty Col System	847	0	300	0	247	0	0	0	0	300	0
47 State Sys of Higher Ed	827	1	0	0	97	0	6	10	40	595	78
48 Cmty Cols Baltimore Co	594	0	0	0	0	0	0	30	0	564	0
49 CA Schl Prof Psych Sys	529	0	0	0	500	0	0	29	0	0	0
50 San Jose Cmty Col Sys	375	0	0	0	0	0	0	0	0	375	0
51 Virginia Cmty Col Sys	325	0	0	0	0	0	0	325	0	0	0
52 Los Angeles Cmty Col Sys	305	0	0	0	0	0	0	0	0	305	0
53 San Mateo CC Sys	287	0	0	204	0	0	0	0	83	0	0
54 Cmty Col of Denver Sys	175	0	0	0	175	0	0	0	0	0	0
55 Contra Costa CC Dist Sys	137	0	0	137	0	0	0	0	0	0	0
56 State Ctr Jr Col Dist Sys	110	0	110	0	0	0	0	0	0	0	0
57 Dallas Co Cmty Col Sys	60	0	0	0	60	0	0	0	0	0	0
58 Troy State U Sys	46	0	0	8	0	0	0	38	0	0	0
59 Ventura Co CC Dist Sys	38	0	0	0	0	0	0	0	0	38	0
60 Kern CC Dist Sys	33	0	0	0	0	0	0	0	0	33	0
61 Los Rios Cmty Col Sys	10	0	0	0	0	0	0	0	0	10	0
62 S Orange County CC Dist	8	0	0	0	0	0	0	0	0	8	0

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Interior, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

NOTES: Includes obligations to every individual institution included within each system.

The Agency for International Development (AID) continues its long-term work on restructuring its internal database (New Management System, NMS) that will integrate the agency's budget, programming, accounting, and procurement systems. As a result, AID's response to the fiscal year (FY) 1998 Federal support survey has again been produced using an interim reporting system as it was for the FYs 1995-97 surveys. Any significant differences between AID's data reported for FYs 1995-98 and data reported prior to FY 1995 can be attributed to this change in reporting systems. In addition, AID anticipates that future responses to the Federal support survey may also differ from the FYs 1995-98 submissions since the NMS, which will eventually be the database for reporting this information, will be refined to produce more accurate data.

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-25. Federal obligations for science and engineering research and development to systems of universities and colleges, ranked by total amount received, by agency: fiscal year 1998 *

[Dollars in thousands]

System of universities and colleges	Total	USDA	Com	DoD [1]	ED	DOE	EPA	HHS	NASA	NSF	Other [2]
Total, all systems	5,109,909	216,893	47,021	528,765	52,394	221,815	82,615	2,767,255	310,290	808,509	74,352
1 U of CA System	1,238,587	19,828	10,220	116,154	10,405	66,807	14,307	722,955	66,122	203,315	8,474
2 U of Texas Sys	461,353	264	299	63,047	1,177	11,575	2,441	338,158	12,510	31,468	414
3 U of North Carolina Sys	261,250	14,780	1,881	29,881	6,000	5,015	9,796	158,480	7,236	25,433	2,748
4 State U Sys of Florida	236,076	12,122	3,042	48,474	2,984	19,542	1,095	77,029	15,407	52,027	4,354
5 Columbia U Sys	230,214	0	5,722	8,153	74	8,203	117	162,772	11,019	33,826	328
6 U of Wisconsin Sys	228,182	9,474	721	9,516	6,204	18,845	0	128,868	10,234	43,067	1,253
7 U of Illinois Sys	212,202	11,249	546	23,358	3,306	13,630	3,356	84,946	4,423	65,139	2,247
8 U of Maryland Sys	203,861	7,092	5,239	20,128	215	8,175	3,742	91,267	39,270	27,140	1,593
9 U of Alabama Sys	189,299	224	0	10,481	1,831	3,301	0	133,942	28,085	7,854	3,581
10 State U of New York Sys	177,268	1,058	193	13,267	5,428	9,156	1,172	108,810	4,943	32,468	773
11 U & St Col AZ System	168,923	5,896	544	19,474	710	4,523	5,381	73,118	20,467	35,236	2,574
12 Oregon St Higher Ed Sys	156,658	11,470	2,594	13,038	3,697	3,157	6,380	80,559	5,116	24,805	5,705
13 Utah Higher Ed Sys	142,044	5,331	493	24,544	921	3,455	1,377	71,918	11,695	21,767	543
14 U Sys of Georgia	133,932	12,052	840	34,099	578	5,204	3,332	39,696	6,553	28,358	2,618
15 Indiana U Sys	105,891	171	0	1,044	99	4,509	174	79,363	1,097	19,292	142
16 City U of New York Sys	104,962	10	0	3,211	1,298	1,340	0	92,100	3,108	3,664	231
17 U of Massachusetts Sys	99,179	4,831	348	7,963	369	2,481	436	62,901	1,960	17,628	262
18 Louisiana State U Sys	79,395	9,523	56	20,618	75	2,185	4,928	31,519	1,953	4,675	3,863
19 Texas A&M U Sys	70,140	14,812	687	4,480	0	4,821	1,339	21,760	7,887	10,322	4,032
20 Colorado St U System	62,259	6,261	2,137	6,830	150	3,031	3,651	23,039	3,712	10,886	2,562
21 U of Missouri Sys	61,750	8,400	44	4,775	2,091	2,216	2,622	27,842	1,084	11,701	975
22 U of Hawaii Sys	59,945	9,673	1,292	4,322	330	2,621	0	17,436	6,022	14,150	4,099
23 CA St U & Col System	55,648	905	17	7,302	1,280	1,155	3,355	15,558	8,171	11,288	6,617
24 U of Tennessee Sys	51,673	5,961	187	2,458	0	5,359	1,124	28,231	517	6,651	1,185
25 U of Arkansas Sys	46,713	13,291	70	3,377	851	50	381	22,429	1,139	4,639	486
26 U of Nebraska Sys	45,450	8,145	0	4,139	148	562	0	20,062	2,071	7,386	2,937
27 Montana U Sys	34,551	4,743	4,739	4,541	817	985	886	5,912	2,230	8,408	1,290
28 U of Nevada Sys	30,274	2,433	558	1,163	0	5,903	1,021	9,699	656	7,652	1,189
29 U of Alaska Sys	29,199	2,446	2,711	897	0	0	780	1,442	9,318	8,334	3,271
30 U of Puerto Rico Sys	27,620	4,301	0	2,016	0	841	0	12,125	3,675	4,637	25
31 U of New Hampshire Sys	24,823	2,078	45	3,320	150	609	0	2,477	8,267	4,939	2,938
32 U of Houston Sys	19,768	25	43	5,469	0	1,042	112	5,426	1,954	5,647	50
33 St U & CC Sys Tennessee	15,441	2,862	0	1,171	0	386	242	7,517	774	2,142	347
34 U of Maine Sys	15,022	3,958	1,203	3,342	0	73	652	1,350	1,048	3,096	300
35 Texas State University Sys	8,446	60	0	528	20	0	7,148	399	85	206	0
36 Southern Illinois U Sys	8,185	783	0	20	0	642	0	3,261	19	3,460	0
37 U of Louisiana Sys	7,019	224	550	1,669	0	416	1,268	1,212	174	1,238	268
38 Claremont Colleges Sys	2,827	24	0	17	0	0	0	1,145	36	1,605	0
39 Minnesota Cmty Col Sys	838	133	0	0	0	0	0	131	128	446	0
40 U of South Dakota Sys	751	0	0	130	0	0	0	0	0	621	0

See explanatory information, if any, and SOURCE at end of table.

Table B-25. Federal obligations for science and engineering research and development to systems of universities and colleges, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

System of universities and colleges	Total	USDA	Com	DoD [1]	ED	DOE	EPA	HHS	NASA	NSF	Other [2]
41 CA Schl Prof Psych Sys	529	0	0	0	500	0	0	29	0	0	0
42 Massachusetts CC Sys	506	0	0	0	437	0	0	0	0	69	0
43 Virginia Cmty Col Sys	325	0	0	0	0	0	0	325	0	0	0
44 San Mateo CC Sys	287	0	0	204	0	0	0	0	83	0	0
45 NC Cmty Col System	247	0	0	0	247	0	0	0	0	0	0
46 State Sys of Higher Ed	192	0	0	0	0	0	0	10	40	64	78
47 Contra Costa CC Dist Sys	137	0	0	137	0	0	0	0	0	0	0
48 Inter American U PR Sys	60	0	0	0	0	0	0	0	0	60	0
49 Troy State U Sys	8	0	0	8	0	0	0	0	0	0	0

[1] The Department of Defense (DoD) states that more than 90 percent of its development obligations reported for universities and colleges are performed at university-affiliated laboratories that are separate from the academic departments. Furthermore, DoD states that much of its development obligations are for major systems development, that such obligations differ from its obligations for advanced technology development, and that DoD total development obligations are therefore not comparable with development obligations at other Federal agencies. Refer to table B-17 for DoD obligations to individual institutions, by research and development breakdowns.

[2] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Interior, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

NOTES: Includes obligations to every individual institution included within each system.

The Agency for International Development (AID) continues its long-term work on restructuring its internal database (New Management System, NMS) that will integrate the agency's budget, programming, accounting, and procurement systems. As a result, AID's response to the fiscal year (FY) 1998 Federal support survey has again been produced using an interim reporting system as it was for the FYs 1995-97 surveys. Any significant differences between AID's data reported for FYs 1995-98 and data reported prior to FY 1995 can be attributed to this change in reporting systems. In addition, AID anticipates that future responses to the Federal support survey may also differ from the FYs 1995-98 submissions since the NMS, which will eventually be the database for reporting this information, will be refined to produce more accurate data.

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-26. Federal obligations for science and engineering research and development and R&D plant to the 100 nonprofit institutions receiving the largest amounts, ranked by total amount received in fiscal year 1998: fiscal years 1991-98

[Dollars in thousands]

Institution and ranking	1991	1992	1993	1994	1995	1996	1997	1998
Total, all institutions	2,739,118	3,127,341	3,082,370	3,032,999	3,094,775	2,998,709	2,809,604	2,961,071
1 Mitre Corporation	256,088	247,720	245,731	236,086	188,943	206,849	124,732	204,975
2 MA General Hospital	81,498	90,594	89,109	104,162	111,013	113,314	126,514	147,025
3 Brigham and Womens Hosp	79,509	82,081	86,394	98,234	103,392	99,783	113,350	131,720
4 F Hutchnsn Cancer Rsch	51,856	56,201	54,622	62,757	95,104	79,983	27,807	102,305
5 Assc U Rsch in Astronomy	47,349	47,540	54,816	60,227	61,283	55,489	65,000	70,043
6 H M Jackson Foundation	7,330	9,383	9,442	77,572	28,350	60,814	55,202	68,619
7 Beth Israel Deac Med Ctr	18,243	20,315	23,142	24,964	29,046	34,412	56,129	65,234
8 Universities Space Rsch	29,295	32,157	31,883	37,987	36,354	30,062	73,108	64,348
9 Dana-Farber Cancer Inst	43,222	50,369	51,700	54,502	46,855	55,984	55,278	63,288
10 Mem Sloan-Kettering Canc	46,238	48,551	48,438	49,213	50,577	54,631	55,979	55,661
Total 1st 10 institutions	660,628	684,911	695,277	805,704	750,917	791,321	753,099	973,218
11 SRI International	52,548	63,169	64,368	57,254	59,225	61,148	51,336	54,383
12 Natl Academy of Sciences	57,985	76,839	75,895	93,467	78,484	66,372	66,842	49,889
13 Research Triangle Inst	57,760	50,049	44,105	63,662	49,315	43,778	50,179	48,279
14 Battelle Memorial Inst	53,428	62,957	78,524	107,034	79,519	75,487	57,659	46,578
15 Child Hosp (Boston, MA)	28,355	32,674	32,816	38,954	37,822	42,463	41,544	46,529
16 Joint Ocean Insts, Inc	29,327	29,306	30,487	34,200	33,910	33,749	34,118	35,566
17 Salk Inst for Biol Study	34,738	36,698	33,785	35,751	30,897	33,274	35,370	34,916
18 Child Hosp Phila	12,782	14,989	17,329	19,916	25,942	26,309	28,872	33,133
19 Analytic Services, Inc	40,655	34,799	29,786	33,673	39,210	39,851	35,811	32,887
20 Draper Laboratories	67,725	41,113	64,327	168,154	264,151	221,275	163,256	31,758
Total 1st 20 institutions	1,095,931	1,127,504	1,166,699	1,457,769	1,449,392	1,435,027	1,318,146	1,387,136
21 World Resources Institute	250	362	220	378	975	738	1,111	31,744
22 Southwest Research Inst	20,810	22,072	29,917	27,723	29,451	14,729	36,173	31,727
23 American Tech Initiative	0	808	686	736	1,200	636	0	30,465
24 Whitehead Inst Biomed	8,666	7,792	15,895	17,632	22,609	22,150	24,661	30,303
25 Rush Presbyterian St Luke	9,196	10,381	13,449	14,433	18,559	22,803	25,481	30,148
26 Cleveland Clinic Fdn	13,087	14,246	14,139	21,285	22,347	25,293	29,887	29,625
27 Child Hosp Med Ctr Cincin	7,059	8,484	7,980	10,165	11,977	16,392	17,715	28,379
28 St Jude Child Rsch Hosp	13,796	16,458	18,737	19,951	19,150	23,235	25,197	26,730
29 Rand Corporation[1]	87,512	14,170	11,506	19,048	26,791	24,992	21,404	25,815
30 New Eng Med Ctr & Hosp	21,423	21,613	23,642	25,303	25,948	24,322	25,358	24,755
Total 1st 30 institutions	1,277,730	1,243,890	1,302,870	1,614,423	1,628,399	1,610,317	1,525,133	1,676,827
31 Jackson Laboratory	19,972	11,353	12,994	16,588	17,538	21,370	22,149	24,415
32 Cold Spring Harbor Lab	17,762	19,799	19,858	20,544	19,433	21,923	23,275	23,822
33 Natl Jewish Med Rsch Ctr	12,618	13,686	14,142	16,368	16,870	18,008	21,420	22,939
34 Southern Research Inst	20,132	19,880	22,528	27,916	19,071	21,905	19,432	21,659
35 Burnham Institute, The	8,777	12,021	11,923	12,201	14,935	18,367	17,842	20,055
36 Boston Medical Center	7,590	7,517	6,645	7,410	6,864	8,541	11,907	19,099
37 OR Reg Primate Rsch Ctr	9,210	10,102	4,585	11,173	11,975	13,422	14,653	18,135
38 Ctr Blood Research	7,474	9,564	8,066	8,991	12,942	14,401	16,004	17,355
39 Joslin Diabetes Fdn Inc	5,239	7,270	7,955	10,742	10,012	8,946	10,679	17,273
40 Wistar Institute	21,131	19,014	14,302	12,893	13,299	15,900	13,550	15,665
Total 1st 40 institutions	1,407,635	1,374,096	1,425,868	1,759,249	1,771,338	1,773,100	1,696,144	1,877,244
41 Inst for Genomic Research	0	0	0	0	0	0	325	15,484
42 Family Health Intl	0	0	0	476	8,467	7,540	13,097	14,524
43 McLean Hospital	10,324	11,747	10,511	10,032	10,401	12,239	11,373	12,875
44 Providence Med Ctr Prtlnd	492	515	449	353	464	5,129	2,138	11,904
45 J Hopkins Bayview Med Ctr	0	0	0	5,247	6,475	7,750	10,793	11,889
46 Concurrent Tech Corp	0	0	0	0	70	0	9,301	11,315
47 Montefiore Hosp & Med Ctr	10,698	11,309	11,305	13,054	13,274	13,099	9,917	11,278
48 Am Assc Retired Persons	0	20,384	1,122	24,948	24,383	16,535	16,275	11,267
49 Inc Rsch Insts Seismology	295	342	53	7,310	9,512	3,844	12,330	11,177
50 CA Assoc Rsch Astronomy	0	0	0	0	0	209	1,491	11,017
Total 1st 50 institutions	1,429,444	1,418,393	1,449,308	1,820,669	1,844,384	1,839,445	1,783,184	1,999,974

See explanatory information, if any, and SOURCE at end of table.

Table B-26. Federal obligations for science and engineering research and development and R&D plant to the 100 nonprofit institutions receiving the largest amounts, ranked by total amount received in fiscal year 1998: fiscal years 1991-98

[Dollars in thousands]

Institution and ranking	1991	1992	1993	1994	1995	1996	1997	1998
51 Beckman Research Inst	5,766	8,089	7,804	8,438	5,386	6,422	9,060	10,954
52 Am Registry Pathology	33	31	0	1,343	63	9,573	9,325	10,638
53 Cedars Sinai Med Ctr	4,977	7,196	9,179	10,888	7,710	9,135	9,749	10,617
54 Natl Bureau Econ Rsch Inc	4,285	5,569	5,214	8,113	8,799	10,119	10,274	10,543
55 Child Hosp Los Angeles	8,921	9,048	7,474	8,045	8,428	8,649	7,766	10,244
56 Natl Caucus Ctr Black Age	0	275	1,247	7,258	8,782	6,470	8,731	10,186
57 Kaiser Fdn Rsch Inst	9,244	10,415	10,902	10,046	11,696	13,685	4,459	10,135
58 MPC Corporation	18,065	18,663	18,053	20,385	20,458	6,807	19,747	9,770
59 Jay David Gladstone Fdn	2,049	4,609	5,225	5,456	6,504	8,936	8,675	9,642
60 N E Regional Cancer Inst	0	0	0	0	0	0	0	9,628
Total 1st 60 institutions	1,482,784	1,482,288	1,514,406	1,900,641	1,922,210	1,919,241	1,870,970	2,102,331
61 Oregon Research Inst	5,294	6,166	6,556	7,837	7,695	8,422	8,937	9,580
62 IIT Research Institute	24,542	78,139	61,310	48,270	35,777	34,227	17,311	9,499
63 Frontier Sci & Tech Rsch	1,588	1,842	1,853	2,437	7,103	8,842	8,772	9,493
64 Am Museum of Natl Hist	1,831	708	869	2,214	2,024	1,879	1,148	9,388
65 Inst for Cancer Research	8,865	7,062	9,578	7,741	7,648	7,594	9,173	8,822
66 American Hlth Fdn, Inc	11,324	8,515	11,706	11,504	13,392	10,774	11,430	8,754
67 Urban Institute	3,730	7,892	7,839	11,107	8,817	4,661	9,182	8,512
68 Schepens Eye Rsch Inst	7,555	6,300	5,906	6,335	7,610	8,550	7,810	8,507
69 Rhode Island Hospital	4,009	3,840	4,572	5,131	4,407	6,783	8,891	8,419
70 St Lukes-Rsvlt Inst Hlth	4,167	4,694	5,905	7,305	6,599	7,502	8,374	8,362
Total 1st 70 institutions	1,555,689	1,607,446	1,630,500	2,010,522	2,023,282	2,018,475	1,961,998	2,191,667
71 Magee Womens Hosp	932	994	1,733	2,141	4,314	5,568	7,081	8,157
72 Carnegie Inst Washington	3,925	5,558	6,368	8,513	7,697	6,840	9,404	8,069
73 Texas Eng Exprnt Station	0	0	0	3,267	405	1,715	8,107	7,977
74 MCNC(Microelectrn Ctr NC)	75	868	8,180	8,822	9,729	3,293	8,712	7,804
75 Health Effects Institute	4,915	3,500	0	3,000	3,000	0	4,452	7,500
76 MA Eye & Ear Infirmary	6,490	7,345	6,976	7,719	8,312	8,649	7,908	7,496
77 Oklahoma Med Rsch Fdn	5,781	5,526	5,490	5,863	7,799	8,568	8,073	7,432
78 CA Public Hlth Foundation	1,667	1,761	1,232	5,413	2,275	2,985	834	7,401
79 Natl Assoc Hispanic Eldly	0	0	0	0	0	216	1,539	7,288
80 Friends Med Sci Rsch Ctr	3,869	3,736	4,091	4,182	4,652	5,862	7,211	7,201
Total 1st 80 institutions	1,583,343	1,636,734	1,664,570	2,059,442	2,071,465	2,062,171	2,028,319	2,267,992
81 Am Col of Radiology	0	0	7,243	9,084	7,033	7,746	6,947	7,164
82 North Shore U Hospital	4,474	5,517	4,616	4,102	4,009	4,809	7,263	7,136
83 Public Health Res Inst	4,680	4,962	4,968	5,390	5,710	8,281	5,889	6,998
84 Forsyth Dental Center	5,856	6,297	5,366	5,878	5,540	6,237	5,834	6,904
85 Ohio Aerospace Institute	2,755	5,482	7,109	6,455	7,556	8,438	4,328	6,834
86 Am Cancer Rsch Ctr & Hosp	696	3,619	5,351	8,579	3,171	0	0	6,831
87 Lovelace Resp Rsch Ins	80	104	142	266	404	10,009	10,142	6,714
88 Ctr Molecular Med & Immun	2,717	2,611	2,497	3,139	3,457	4,736	6,166	6,506
89 EK Shriver Ctr Mental	3,986	4,235	5,353	4,753	4,426	4,590	5,928	6,421
90 Natl Asian Pac Ctr Aging	0	200	212	3,693	4,442	2,126	5,296	6,405
Total 1st 90 institutions	1,608,587	1,669,761	1,707,427	2,110,781	2,117,213	2,119,143	2,086,112	2,335,905
91 Environmental Rsch Inst	14,714	16,266	21,540	10,817	14,202	17,858	12,030	6,297
92 Minority Hlth Prof Fdn	0	0	0	0	0	0	0	6,031
93 Math Sciences Rsch Inst	0	2,930	3,080	3,145	3,417	3,917	4,278	5,738
94 Boston Biomedical Rsch	3,854	5,442	5,873	6,172	4,328	4,806	3,748	5,674
95 Mediantic Health Care Grp	1,454	1,625	2,122	2,575	2,369	3,514	3,721	5,669
96 Population Council	2,560	3,398	2,583	2,075	3,350	3,348	4,226	5,540
97 WV Research Corp	0	34	0	993	2,061	100	8,281	5,540
98 Oregon Socl Learning Ctr	3,383	4,156	4,194	4,269	4,473	5,285	5,149	5,502
99 Oceanic Institute	5,742	4,749	4,725	4,575	4,370	4,358	4,513	5,429
100 Electric Power Research	72	200	215	4,519	3,792	1,711	4,889	5,317
Total 1st 100 institutions	1,640,366	1,708,561	1,751,759	2,149,921	2,159,575	2,164,040	2,136,947	2,392,642

[1] The fiscal year (FY) 1992, 1993, and 1994 obligations from the Department of Defense (DoD) to the Rand Corporation were mostly reported to three federally funded research and development centers administered by the Rand Corporation: Project Air Force, the Arroyo Center, and the National Defense Research Institute. FY 1991 obligations from DoD for the four entities were all reported as the Rand Corporation.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998.

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Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
United States, total	2,961,071	15,060	15,540	545,046	44,898	76,819	162,935	1,628,954	293,978	146,492	31,349
New England, total	974,621	83	1,711	259,637	5,077	5,973	11,169	663,442	13,746	13,470	313
Connecticut, total	7,239	0	0	40	0	20	0	7,096	0	56	27
CT Audubon Society	27	0	0	0	0	0	0	0	0	0	27
CT Children's Medical Ctr	37	0	0	0	0	0	0	37	0	0	0
CT Legal Rights Project	56	0	0	0	0	0	0	56	0	0	0
Hartford Hospital	445	0	0	0	0	0	0	445	0	0	0
Haskins Laboratories, Inc	3,339	0	0	0	0	0	0	3,339	0	0	0
Human Relations Area File	56	0	0	0	0	0	0	0	0	56	0
Inst Explrtn Sea Rsch Fdn	40	0	0	40	0	0	0	0	0	0	0
John B Pierce Lab, Inc	1,719	0	0	0	0	0	0	1,719	0	0	0
Sigma Xi Society	20	0	0	0	0	20	0	0	0	0	0
Societal Inst of Math Sci	705	0	0	0	0	0	0	705	0	0	0
St Francis Hosp & Med Ctr	795	0	0	0	0	0	0	795	0	0	0
Maine, total	31,448	5	600	601	0	0	275	26,808	1,101	1,887	171
Castine Research Corp	171	0	0	0	0	0	0	0	0	0	171
Jackson Laboratory	24,415	5	0	0	0	0	0	23,887	0	523	0
ME Math & Sci Alliance	14	0	0	0	0	0	0	0	14	0	0
ME Medical Assessment Fdn	154	0	0	0	0	0	0	154	0	0	0
ME Sci & Tech Fdn	664	0	0	0	0	0	0	0	256	408	0
Maine Medical Center	1,857	0	0	0	0	0	0	1,857	0	0	0
Med Care Development, Inc	48	0	0	0	0	0	0	48	0	0	0
Mount Desert Isld Bio Lab	558	0	0	0	0	0	0	500	0	58	0
Natl Acad St Hlth Policy	362	0	0	0	0	0	0	362	0	0	0
Northeastern Rsch Fdn	2,605	0	0	601	0	0	275	0	831	898	0
Regional Med Ctr Lubec,ME	600	0	600	0	0	0	0	0	0	0	0
Massachusetts, total	908,674	0	501	257,857	4,952	5,868	9,735	606,781	12,434	10,529	17
Am Acad of Arts & Sci	123	0	0	0	0	0	0	0	0	123	0
Am Assc Variable Star Obs	11	0	0	0	0	0	0	0	11	0	0
Am Meteorological Soc	284	0	55	0	0	0	0	0	153	76	0
Assc Physical Sys Math	20	0	0	0	0	0	0	0	20	0	0
Assc Women Mathematics	35	0	0	0	0	0	0	0	0	35	0
Assoc Sci Woods Hole	25	0	0	25	0	0	0	0	0	0	0
Beth Israel Deac Med Ctr	65,234	0	0	1,434	0	829	0	62,628	343	0	0
Boston Biomedical Rsch	5,674	0	0	0	0	0	0	5,674	0	0	0
Boston Medical Center	19,099	0	0	0	378	0	0	18,721	0	0	0
Brigham and Womens Hosp	131,720	0	0	3,077	0	0	25	126,899	1,495	224	0
Cambridge Med Care Fdn	150	0	150	0	0	0	0	0	0	0	0
Cast, Inc	199	0	0	0	199	0	0	0	0	0	0
Child Hosp (Boston, MA)	46,529	0	0	3,630	550	0	0	42,349	0	0	0
Ctrn Addctn Prgncy&Prtng	514	0	0	0	0	0	0	514	0	0	0
Cnsrtm Energy Efficiency	480	0	0	0	0	30	450	0	0	0	0
Concord-Assabet Fam&Adol	180	0	0	0	180	0	0	0	0	0	0
Ctr Blood Research	17,355	0	0	0	0	0	0	17,355	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other 1
New England, continued											
Massachusetts, continued											
Ctr Hlth Economic Rsch	68	0	0	0	0	0	0	68	0	0	0
Ctr Tech Commercialization	1,496	0	0	0	0	0	0	0	1,496	0	0
Dana-Farber Cancer Inst	63,289	0	0	1,611	0	0	0	61,554	0	123	0
Draper Laboratories	31,758	0	0	26,770	0	0	0	0	4,988	0	0
EK Shriver Ctr Mental	6,421	0	0	0	0	130	0	6,291	0	0	0
Education Development Ctr	3,938	0	0	0	125	0	0	3,082	0	731	0
Forsyth Dental Center	6,904	0	0	0	0	0	0	6,904	0	0	0
Frontier Sci & Tech Rsch	9,493	0	0	0	0	0	0	9,493	0	0	0
Harvard Pilgrim Hlth Care	576	0	0	0	0	0	0	576	0	0	0
Health Effects Institute	7,500	0	0	0	0	0	7,500	0	0	0	0
Hebrew Rehab Center	2,446	0	0	0	0	0	0	2,446	0	0	0
Humn Svc Rsch (Cmbrg MA)	2,040	0	0	0	225	0	0	1,815	0	0	0
Inst for Responsible Mgt	534	0	0	0	0	0	534	0	0	0	0
Inst for Sci Rsch Inc	141	0	0	0	0	0	0	0	111	30	0
Intl Space University	500	0	0	0	0	0	0	0	500	0	0
JASON Fdn for Education	850	0	0	700	0	0	0	0	150	0	0
Jobs and Env Campaign Inc	100	0	0	0	0	0	100	0	0	0	0
Joslin Diabetes Fdn Inc	17,273	0	0	2,689	0	0	0	14,584	0	0	0
Local Env Initiatives	676	0	0	0	0	0	676	0	0	0	0
M-Power, Inc	210	0	0	0	0	0	0	210	0	0	0
MA Audubon Society	17	0	0	0	0	0	0	0	0	0	17
MA Eye & Ear Infirmary	7,496	0	0	0	0	0	0	7,496	0	0	0
MA General Hospital	147,025	0	0	11,687	0	400	0	134,155	180	603	0
MA Health Research Inst	2,196	0	0	0	0	0	0	2,196	0	0	0
Marine Biological Lab	3,927	0	0	60	0	25	0	2,617	1,225	0	0
Mass Ment Hlth Rsch Corp	121	0	0	0	0	0	0	0	121	0	0
McLean Hospital	12,875	0	0	1,074	0	0	0	11,801	0	0	0
Mitre Corporation	204,975	0	0	204,975	0	0	0	0	0	0	0
Museum of Science	13	0	0	0	0	0	0	0	13	0	0
N E Radio Observatory Ctr	725	0	0	0	0	0	0	0	0	725	0
NE Energy Effncy Partnrshp	450	0	0	0	0	0	450	0	0	0	0
Nat Bureau Econ Rsch Inc	10,543	0	0	0	0	0	0	4,592	0	5,951	0
Nat Consumer Law Inc	80	0	0	0	0	0	0	80	0	0	0
Nat Empowerment Ctr	400	0	0	0	0	0	0	400	0	0	0
New Eng Med Ctr & Hosp	24,755	0	0	0	0	0	0	24,755	0	0	0
New England Aquarium Corp	421	0	296	125	0	0	0	0	0	0	0
Pub Responsblty Med&Rsch	82	0	0	0	0	82	0	0	0	0	0
Schepens Eye Rsch Inst	8,507	0	0	0	0	350	0	8,115	42	0	0
Soc General Physiologists	6	0	0	0	0	0	0	0	0	6	0
Spaulding Rehab Hosp Corp	345	0	0	0	345	0	0	0	0	0	0
St Elz Hosp Boston MA	3,061	0	0	0	0	0	0	3,061	0	0	0
Tech Education Rsch Ctr	2,957	0	0	0	1,475	0	0	0	426	1,056	0
W MA Training Cnsrtm	533	0	0	0	0	0	0	533	0	0	0
WGBH Educational Fdn	1,475	0	0	0	1,475	0	0	0	0	0	0
Whitehead Inst Biomed	30,303	0	0	0	0	4,022	0	25,817	0	464	0
Woods Hole Research Ctr	1,542	0	0	0	0	0	0	0	1,160	382	0

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
New Hampshire, total	943	2	0	796	0	0	47	0	0	0	98
Acad of Applied Science	264	0	0	264	0	0	0	0	0	0	0
Autonms Undersea Sys Inst	480	0	0	480	0	0	0	0	0	0	0
New Engl Biomed&Res Assn	47	0	0	0	0	0	47	0	0	0	0
New Engl Inst Landscape	2	2	0	0	0	0	0	0	0	0	0
Student Conservatn Assoc	150	0	0	52	0	0	0	0	0	0	98
Rhode Island, total	24,402	76	0	343	0	12	65	22,697	211	998	0
Am Mathematical Society	501	0	0	10	0	0	0	0	0	491	0
Butler Hospital	1,287	0	0	0	0	0	0	1,287	0	0	0
Emma Pendleton Bradley	2,774	0	0	0	0	0	0	2,774	0	0	0
Fraunhfr Ctr Rsch Cmp Grp	285	0	0	285	0	0	0	0	0	0	0
Gordon Rsch Conferences	565	76	0	48	0	12	0	0	94	335	0
Marine Env Ed Fdn, Inc	65	0	0	0	0	0	65	0	0	0	0
Memorial Hosp Pawtucket	2,745	0	0	0	0	0	0	2,745	0	0	0
Miriam Hospital	5,242	0	0	0	0	0	0	5,125	117	0	0
Rhode Island Hospital	8,419	0	0	0	0	0	0	8,247	0	172	0
Roger Williams Gen Hosp	827	0	0	0	0	0	0	827	0	0	0
Women & Infants Hosp	1,692	0	0	0	0	0	0	1,692	0	0	0
Vermont, total	1,915	0	610	0	125	73	1,047	60	0	0	0
Green Mt Inst Env Democrcy	450	0	0	0	0	0	450	0	0	0	0
Inst Sustainable Cmnts	597	0	0	0	0	0	597	0	0	0	0
VT Council on the Arts	375	0	375	0	0	0	0	0	0	0	0
VT Ctr Independent Living	125	0	0	0	125	0	0	0	0	0	0
VT Energy Investment Corp	73	0	0	0	0	73	0	0	0	0	0
VT Psychiatric Survivors	60	0	0	0	0	0	0	60	0	0	0
VT Telecom Applicatn Ctr	235	0	235	0	0	0	0	0	0	0	0
Middle Atlantic, total	376,632	1,065	1,662	24,591	4,464	18,049	10,381	251,705	11,538	51,811	1,366
New Jersey, total	15,440	0	1,448	9	866	2,150	60	10,266	470	171	0
Coriell Inst for Med Rsch	3,485	0	0	0	0	0	0	3,485	0	0	0
Ctr Molecular Med & Immun	6,506	0	0	0	0	225	0	6,281	0	0	0
Educom, Inc	144	0	0	0	0	0	0	0	0	144	0
Electrochemical Society	9	0	0	9	0	0	0	0	0	0	0
Englewood Hospital	1,925	0	0	0	0	1,925	0	0	0	0	0
Farmworker Hlth & Sfty	60	0	0	0	0	0	60	0	0	0	0
Hackensack Hospital	394	0	0	0	0	0	0	394	0	0	0
Intl Soc Phrm Outcomes	25	0	0	0	0	0	0	25	0	0	0
JF Kennedy Med Ctr Fdn	149	0	0	0	149	0	0	0	0	0	0
Kessler Inst for Rehab	717	0	0	0	717	0	0	0	0	0	0
NJ Marine Science Cnsrtm	988	0	988	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Middle Atlantic, continued:											
New Jersey, continued:											
National Assn of Scholars	38	0	0	0	0	0	0	0	38	0	0
Newark Beth Israel Hosp	81	0	0	0	0	0	0	81	0	0	0
OM Association, Inc	50	0	0	0	0	0	0	0	50	0	0
Princeton U Press	27	0	0	0	0	0	0	0	0	27	0
Recording for the Blind	385	0	385	0	0	0	0	0	0	0	0
Space Studies Institute	232	0	0	0	0	0	0	0	232	0	0
Textile Research Inst	75	0	75	0	0	0	0	0	0	0	0
W Wilson Natl Fellowship	150	0	0	0	0	0	0	0	150	0	0
New York, total	226,057	887	0	9,131	1,030	2,592	6,739	149,867	10,062	44,383	1,366
Adirondack Biomed Rsch	1,485	0	0	0	0	0	0	1,485	0	0	0
Advertising Council	1,002	0	0	0	0	0	1,002	0	0	0	0
Am Assc of Engineers	60	0	0	0	0	0	0	0	0	60	0
Am Cncl Learned Societies	104	0	0	0	0	0	0	0	0	104	0
Am Inst Aeronautic Astro	37	0	0	0	0	0	0	0	37	0	0
Am Inst Chemical Eng	15	0	0	0	0	15	0	0	0	0	0
Am Museum Moving Image	21	0	0	0	0	0	0	0	0	21	0
Am Museum of Natl Hist	9,388	0	0	0	0	98	0	0	8,183	1,107	0
Am Soc Civil Engineers	459	0	0	0	0	0	449	0	0	0	10
Am Soc Mechanical Eng	199	0	0	0	0	199	0	0	0	0	0
American Hlth Fdn, Inc	8,754	0	0	0	0	0	0	8,754	0	0	0
Assc Computing Machinery	96	0	0	0	0	0	0	0	0	96	0
Assc Rsch Vision Ophthal	49	0	0	0	0	0	0	49	0	0	0
Assoc State Wetland Mgrs	120	0	0	0	0	0	120	0	0	0	0
B Thompson Inst Plant	1,935	386	0	842	0	300	0	179	135	93	0
Beth Israel Medical Ctr	2,801	0	0	0	0	0	0	2,801	0	0	0
Burke Rehabilitation Ctr	258	0	0	0	0	0	0	258	0	0	0
Calspan U Buffalo Rsch	609	0	0	422	0	0	0	0	1	186	0
Chinatown Act for Progres	335	0	0	0	0	0	0	335	0	0	0
Cold Spring Harbor Lab	23,822	405	0	0	0	208	0	20,412	0	2,797	0
Dosecc, Inc	261	0	0	0	0	0	0	0	0	261	0
Environmentl Defense Fund	450	0	0	0	0	0	450	0	0	0	0
Harlem Hospital Center	70	0	0	0	0	0	0	70	0	0	0
Hauptman-Wdwrd Med Rsch	2,077	0	0	0	0	0	0	1,685	192	200	0
Health Research, Inc	2,216	0	0	1,574	0	537	0	0	0	105	0
Hist of Science Society	45	0	0	0	0	0	0	0	0	45	0
Hosp Joint Disease Ortho	2,565	0	0	0	0	0	0	2,479	0	86	0
Hosp for Special Surgery	2,912	0	0	0	0	0	0	2,912	0	0	0
Inst Elec & Electron Eng	124	0	0	42	0	0	0	0	13	69	0
Inter Faith Medical Ctr	211	0	0	0	0	0	0	211	0	0	0
International Science Fdn	99	0	0	74	0	0	0	0	0	25	0
Inwood House	100	0	0	0	0	0	0	100	0	0	0
Joint Ocean Insts, Inc	35,566	0	0	0	0	0	0	0	0	35,566	0
Legal Services for NYC	75	0	0	0	0	0	0	75	0	0	0
Lesbian and Gay Comm Svc	141	0	0	0	0	0	0	141	0	0	0

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Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Middle Atlantic, continued:											
New York, continued:											
Lexington Center, Inc	1,030	0	0	0	1,030	0	0	0	0	0	0
Long Island Jew Hillside	4,959	0	0	0	0	0	0	4,959	0	0	0
Maimonides Medical Center	220	0	0	0	0	0	0	220	0	0	0
Manpowr Demo Rsch Corp	1,830	0	0	0	0	0	0	910	0	0	920
Mary Imogene Basset Hosp	250	0	0	0	0	0	0	250	0	0	0
Masonic Medical Rsch Lab	629	0	0	0	0	0	0	629	0	0	0
Mem Sloan-Kettering Canc	55,661	0	0	338	0	635	0	54,335	0	353	0
Mntl Hlth Assn NY State	60	0	0	0	0	0	0	60	0	0	0
Montefiore Hosp & Med Ctr	11,278	0	0	0	0	0	0	11,278	0	0	0
Mt Sinai Hosp New York	2,072	0	0	2,072	0	0	0	0	0	0	0
NY Academy of Science	32	0	0	0	0	0	0	0	0	32	0
NY Botan Gard Inst Ecosys	2,249	32	0	0	0	0	0	0	309	1,908	0
NY Botanical Garden NY	1,199	0	0	0	0	0	0	0	0	1,199	0
NY Soc Relf Ruptrd&Cripld	58	0	0	0	0	0	0	0	58	0	0
Natl Action Cncl Min Eng	1,134	0	0	0	0	0	0	0	1,134	0	0
Natl Ctr Education & Econ	25	0	0	0	0	0	0	0	0	0	25
Natl Dvlpmt & Rsch Inst	1,101	0	0	0	0	0	0	1,101	0	0	0
Natl Hemophilia Fdn	610	0	0	0	0	0	0	610	0	0	0
North Shore U Hospital	7,136	0	0	84	0	0	0	7,052	0	0	0
Pathways to Housing, Inc	426	0	0	0	0	0	0	426	0	0	0
Population Council	5,540	0	0	0	0	0	0	5,500	0	40	0
Project Return Foundation	542	0	0	0	0	0	0	542	0	0	0
Public Health Res Inst	6,998	0	0	0	0	0	0	6,998	0	0	0
Renewable Enrgy Cncl	600	0	0	0	0	600	0	0	0	0	0
Riverside Research Inst	1,647	0	0	398	0	0	0	1,249	0	0	0
Rsch Fdn Mental Hygiene	1,665	34	0	0	0	0	0	1,631	0	0	0
Russell Sage Foundation	10	0	0	0	0	0	0	0	0	10	0
St Lukes Roosevlt Hosp C	1,120	0	0	0	0	0	0	1,120	0	0	0
St Lukes-Rsvlt Inst Hlth	8,362	0	0	0	0	0	0	8,362	0	0	0
Student Asst Svc Fdn	405	0	0	0	0	0	0	405	0	0	0
Syracuse Research Corp	3,125	0	0	2,947	0	0	178	0	0	0	0
United Nations Assoc USA	4,540	0	0	0	0	0	4,540	0	0	0	0
Vera Inst of Justice, Inc	160	0	0	0	0	0	0	0	0	0	160
Victim Services, Inc	45	0	0	0	0	0	0	0	0	0	45
W Alton Jones Cell Sci	338	0	0	338	0	0	0	0	0	0	0
Wildlife Conservation Soc	236	30	0	0	0	0	0	0	0	0	206
Winthrop U Hospital	284	0	0	0	0	0	0	284	0	0	0
Pennsylvania, total	135,135	178	214	15,451	2,568	13,307	3,582	91,572	1,006	7,257	0
Acad Natural Sci Phila	1,818	0	0	0	0	0	569	0	82	1,167	0
Air & Waste Mgt Assc	300	0	0	0	0	0	300	0	0	0	0
Albert Einstein Med Ctr	134	0	0	0	0	0	0	134	0	0	0
Allegheny Singer Rsch	3,700	0	0	0	0	0	0	3,700	0	0	0
Am Inst Rsch Pittsburgh	11	0	0	0	0	0	0	11	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Middle Atlantic, continued:											
Pennsylvania, continued:											
Am Soc Testing Materials	119	0	0	0	0	0	119	0	0	0	0
Carnegie Inst Pittsburgh	77	0	0	0	0	0	0	0	0	77	0
Chemical Heritage Fdn	15	0	0	0	0	0	0	0	0	15	0
Child Hosp Phila	33,133	0	0	0	0	0	0	33,133	0	0	0
Child Hosp Pittsburgh	5,006	0	0	0	0	0	0	5,006	0	0	0
Children's Seashore House	46	0	0	0	0	0	0	46	0	0	0
Cmty Prevention Partner	468	0	0	0	0	0	0	468	0	0	0
Combustion Institute	26	0	0	26	0	0	0	0	0	0	0
Concurrent Tech Corp	11,315	0	0	8,750	0	0	2,565	0	0	0	0
Crozer-Keystone Hlth Sys	214	0	214	0	0	0	0	0	0	0	0
Ctr Advcy Rghts Intst Eld	188	0	0	0	0	0	0	188	0	0	0
D Guthrie Fdn Med Rsch	513	0	0	0	0	0	0	513	0	0	0
Emergency Care Rsch Inst	1,702	0	0	0	0	0	0	1,702	0	0	0
Family Plng Cncl SE PA	504	0	0	0	0	0	0	504	0	0	0
Fox Chase Cancer Center	3,532	0	0	3,532	0	0	0	0	0	0	0
Franklin Inst	400	0	0	400	0	0	0	0	0	0	0
Geisinger Medical Center	355	178	0	0	0	0	0	177	0	0	0
Graduate Hospital	317	0	0	0	0	0	0	317	0	0	0
Guadenzia Foundation	151	0	0	0	0	0	0	151	0	0	0
Inst Expermntl Psychiatry	149	0	0	0	0	0	0	0	149	0	0
Inst for Cancer Research	8,822	0	0	0	0	0	0	8,627	0	195	0
Jewish Emplymnt&Vctnl Svc	125	0	0	0	125	0	0	0	0	0	0
Lankenau Hospital	430	0	0	0	0	0	0	430	0	0	0
Lankenau Med Rsch Center	1,878	0	0	0	0	0	0	1,878	0	0	0
Lehigh Vly Water Supplier	29	0	0	0	0	0	29	0	0	0	0
MPC Corporation	9,770	0	0	1,609	0	0	0	3,161	0	5,000	0
Magee Womens Hosp	8,157	0	0	0	0	0	0	8,157	0	0	0
Materials Research Soc	60	0	0	43	0	0	0	0	0	17	0
Matrix Research Institute	623	0	0	0	623	0	0	0	0	0	0
Mercy Hosp of Pittsburgh	498	0	0	0	0	0	0	498	0	0	0
Mineral Metals Mat Soc	26	0	0	11	0	0	0	0	0	15	0
Monell Chem Senses Ctr	3,658	0	0	0	0	0	0	3,519	0	139	0
Moss Rehabilitation Hosp	1,169	0	0	0	345	0	0	824	0	0	0
N E Regional Cancer Inst	9,628	0	0	0	0	9,628	0	0	0	0	0
National Technical Assn	99	0	0	0	0	0	0	0	99	0	0
Natl Inst Environmtl Rnwl	600	0	0	0	0	600	0	0	0	0	0
Phila Hlth Mgmt Corp	409	0	0	0	0	0	0	409	0	0	0
Philadelphia Geriatrc Ctr	420	0	0	0	0	0	0	420	0	0	0
Pittsburgh Film Makers	100	0	0	0	0	0	0	0	100	0	0
Presbyterian U Hospital	50	0	0	0	0	0	0	0	0	50	0
Public/Private Ventures	100	0	0	0	0	0	0	100	0	0	0
Rsch for Better Schools	1,475	0	0	0	1,475	0	0	0	0	0	0
Siam Inst Math & Society	10	0	0	10	0	0	0	0	0	0	0
Soc Automotive Engineers	14	0	0	0	0	0	0	0	0	14	0
Soc Industrial App M	210	0	0	0	0	8	0	0	0	202	0

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Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Middle Atlantic, continued:											
Pennsylvania, continued:											
St Francis Med Ctr	2,004	0	0	0	0	0	0	2,004	0	0	0
Treatment Research Inst	426	0	0	0	0	0	0	426	0	0	0
U City Science Center	4,324	0	0	578	0	3,071	0	675	0	0	0
Wills Eye Hospital	163	0	0	0	0	0	0	163	0	0	0
Wistar Institute	15,665	0	0	492	0	0	0	14,231	576	366	0
East North Central, total	227,601	690	1,350	53,496	4,705	1,461	8,649	136,472	14,988	3,335	2,255
Illinois, total	70,937	412	0	8,384	3,598	432	1,834	51,044	1,103	3,330	800
Am Acad of Pediatrics	1,140	0	0	0	0	0	35	1,105	0	0	0
Am Col of Radiology	7,164	0	0	0	0	0	0	7,164	0	0	0
Am Dental Assc for Hlth	1,341	0	0	0	0	0	0	1,341	0	0	0
Am Hospital Assciation	170	0	0	0	0	0	0	170	0	0	0
Chestnut Health Systems	1,585	0	0	0	0	0	0	1,585	0	0	0
Chicago Acad of Sci	152	1	0	0	0	0	0	0	151	0	0
Chicago Assn Rsch Ed Sci	482	0	0	482	0	0	0	0	0	0	0
Child Memorial Hospital	71	0	0	0	0	0	0	71	0	0	0
Ctr American Archeology	30	0	0	0	0	0	0	0	0	30	0
Ctr for Neighborhood Tech	261	0	0	0	0	0	261	0	0	0	0
Easter Seal Soc Dsbld	600	0	0	0	600	0	0	0	0	0	0
Evanston Hospital	1,835	0	0	0	0	0	0	1,835	0	0	0
Farm Foundation	95	95	0	0	0	0	0	0	0	0	0
Fdn Independent Highr Ed	95	0	0	0	0	0	0	0	0	95	0
Field Museum Natural Hist	1,947	0	0	0	0	0	0	0	367	1,580	0
Hektoen Inst Med Rsch	2,811	0	0	0	0	0	0	2,811	0	0	0
Hosp Rsch & Ed Trust	113	0	0	0	0	0	0	113	0	0	0
IIT Research Institute	9,499	0	0	6,169	0	0	0	2,010	520	0	800
Ingalls Mem Hospital	159	0	0	0	0	0	0	159	0	0	0
Inst of Gas Technology	427	0	0	0	0	427	0	0	0	0	0
Juvenile Protection Assoc	250	0	0	0	0	0	0	250	0	0	0
Methdst Med Ctr-Peoria IL	205	0	0	0	0	0	0	205	0	0	0
Metro Chicago Info Ctr	78	78	0	0	0	0	0	0	0	0	0
Metropolitan Family Svcs	62	0	0	0	0	0	0	62	0	0	0
Midtown Educational Fdn	65	0	0	0	0	0	0	0	65	0	0
NC Rgn Educational Lab	1,475	0	0	0	1,475	0	0	0	0	0	0
Natl Opinion Research Ctr	4,855	0	0	0	169	0	0	3,061	0	1,625	0
Natl Patient Safety Fdn	50	0	0	0	0	0	0	50	0	0	0
Natl Safety Council	1,538	0	0	0	0	0	1,538	0	0	0	0
Openlands Project	238	238	0	0	0	0	0	0	0	0	0
Radiation Rsch Soc VA	5	0	0	0	0	5	0	0	0	0	0
Rehab Inst of Chicago	1,354	0	0	0	1,354	0	0	0	0	0	0
Rush Presbyterian St Luke	30,148	0	0	1,733	0	0	0	28,415	0	0	0
Womens Treatment Ctr	637	0	0	0	0	0	0	637	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
East North Central, continued:											
Indiana, total	1,108	0	475	73	0	0	560	0	0	0	0
Grand Calumet Task Force	10	0	0	0	0	0	10	0	0	0	0
Hudson Institute	73	0	0	73	0	0	0	0	0	0	0
IN Youth Services Assn	475	0	475	0	0	0	0	0	0	0	0
Reuse Dev Organization	550	0	0	0	0	0	550	0	0	0	0
Michigan, total	21,461	0	575	12,827	1,107	130	2,550	3,533	714	0	25
Butterworth Hospital	767	0	0	0	0	0	0	767	0	0	0
Ctr Social Gerontology	125	0	0	0	0	0	0	125	0	0	0
Elder Law of MI, Inc	61	0	0	0	0	0	0	61	0	0	0
Environmental Rsch Inst	6,297	0	0	5,583	0	0	0	0	714	0	0
Focus Hope	503	0	0	503	0	0	0	0	0	0	0
Henry Ford Hospital	929	0	0	929	0	0	0	0	0	0	0
High Scope Ed Rsch Fdn	500	0	0	0	0	0	0	500	0	0	0
Industrial Tech Institute	725	0	575	150	0	0	0	0	0	0	0
Joint Ctrs Justice Stud	25	0	0	0	0	0	0	0	0	0	25
Latino Family Svc, Inc	147	0	0	0	0	0	0	147	0	0	0
MI Mthdst Hosp Rehab Ctr	485	0	0	0	485	0	0	0	0	0	0
Michigan Biotech Inst	2,500	0	0	0	0	0	2,500	0	0	0	0
Michigan Molecular Inst	662	0	0	662	0	0	0	0	0	0	0
Michigan Public Hlth Inst	5	0	0	0	0	0	0	5	0	0	0
Natl Ctr Manufactrng Sci	5,180	0	0	5,000	0	130	50	0	0	0	0
Rehabilitation Inst MI	622	0	0	0	622	0	0	0	0	0	0
Sinai Hospital Detroit	34	0	0	0	0	0	0	34	0	0	0
Well-Being Institute, Inc	746	0	0	0	0	0	0	746	0	0	0
William Beaumont Hospital	1,148	0	0	0	0	0	0	1,148	0	0	0
Ohio, total	125,776	266	300	32,212	0	379	3,523	74,618	13,053	5	1,420
Appalachian Ctr Econ Ntwk	300	0	300	0	0	0	0	0	0	0	0
Battelle Memorial Inst	46,578	0	0	19,385	0	200	3,523	15,190	6,860	0	1,420
Child Hosp Columbus	3,432	190	0	0	0	0	0	3,092	150	0	0
Child Hosp Med Ctr Cincin	28,379	0	0	0	0	179	0	28,200	0	0	0
Cleveland Clinic Fdn	29,625	0	0	2,684	0	0	0	26,742	194	5	0
Dayton Foundation, The	20	0	0	20	0	0	0	0	0	0	0
Edison Weld Inst	3,675	0	0	3,675	0	0	0	0	0	0	0
Enterprise Dvlpmt Inc	533	0	0	0	0	0	0	0	533	0	0
Kettering Medical Center	5,166	0	0	4,900	0	0	0	266	0	0	0
Mead Corporation Fdn	8	8	0	0	0	0	0	0	0	0	0
Meyers Research Institute	297	0	0	0	0	0	0	297	0	0	0
Mt Sinai Hosp Cleveland	108	0	0	0	0	0	0	108	0	0	0
Ohio Aerospace Institute	6,834	0	0	1,548	0	0	0	0	5,286	0	0
Ohio Agricultural R&D Ctr	68	68	0	0	0	0	0	0	0	0	0
Say Yes Tennis	30	0	0	0	0	0	0	0	30	0	0
St Vincent Mercy Med Ctr	400	0	0	0	0	0	0	400	0	0	0
Summa Health System	323	0	0	0	0	0	0	323	0	0	0

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Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
East North Central, continued:											
Wisconsin, total	8,319	12	0	0	0	520	382	7,277	118	0	10
Amer Soc of Agronomy	4	4	0	0	0	0	0	0	0	0	0
Blood Ctr of Southeast WI	3,350	0	0	0	0	0	0	3,350	0	0	0
Cltn WI Aging Groups Inc	127	0	0	0	0	0	0	127	0	0	0
Cncl Great Lakes Governor	520	0	0	0	0	520	0	0	0	0	0
Marshfield Med Rsch Fdn	3,569	0	0	0	0	0	0	3,569	0	0	0
North Am Lake Mgt Soc	172	0	0	0	0	0	172	0	0	0	0
PRI-RU-TA Res Cnsvtn Dev	8	8	0	0	0	0	0	0	0	0	0
Sinai Samaritan Med Ctr	349	0	0	0	0	0	0	231	118	0	0
Sixtnth St Cmty Hlth Ctr	210	0	0	0	0	0	210	0	0	0	0
Soc Ecological Restoratn	10	0	0	0	0	0	0	0	0	0	10
West North Central, total	23,835	17	1,464	2,984	470	2,425	518	12,899	1,543	1,353	162
Iowa, total	4,083	17	0	0	0	2,175	143	1,748	0	0	0
Am Agricultural Econ Assn	2	2	0	0	0	0	0	0	0	0	0
Cncl Food Agri & Res Econ	15	15	0	0	0	0	0	0	0	0	0
Hzrdous Mat Trg Rsch Inst	135	0	0	0	0	0	135	0	0	0	0
Iowa Oncology Rsch Assc	269	0	0	0	0	0	0	269	0	0	0
Krell Institute, Inc	2,175	0	0	0	0	2,175	0	0	0	0	0
Legal Svcs Corp of Iowa	99	0	0	0	0	0	0	99	0	0	0
Mercy Foundation	1,193	0	0	0	0	0	0	1,193	0	0	0
Soil & Water Csrvtn Soc	8	0	0	0	0	0	8	0	0	0	0
Winnebago Svc Area Hlth	187	0	0	0	0	0	0	187	0	0	0
Kansas, total	1,258	0	449	0	125	0	0	684	0	0	0
Cerebral Palsy Rsch Fdn	125	0	0	0	125	0	0	0	0	0	0
Hays Medical Center	449	0	449	0	0	0	0	0	0	0	0
St Francis Hosp (Wcht KS)	684	0	0	0	0	0	0	684	0	0	0
Minnesota, total	7,534	0	0	2,856	345	0	0	3,985	40	301	7
AMONG Amer Partnership	392	0	0	0	0	0	0	392	0	0	0
Mayo Foundation	2,022	0	0	1,357	345	0	0	0	40	280	0
Minneapolis Med Rsch Fdn	3,480	0	0	0	0	0	0	3,480	0	0	0
Minnesota Senior Fedrtn	53	0	0	0	0	0	0	53	0	0	0
Natl Marrow Donor Program	1,499	0	0	1,499	0	0	0	0	0	0	0
Pacer Center	60	0	0	0	0	0	0	60	0	0	0
Science Museum Minnesota	21	0	0	0	0	0	0	0	0	21	0
Upper MI River Basin Assn	7	0	0	0	0	0	0	0	0	0	7
Missouri, total	8,437	0	415	128	0	250	288	6,222	3	1,052	79
Bapt Med Ctr (KS Cty MO)	363	0	0	0	0	0	0	363	0	0	0
Barnes-Jewish Hospital	694	0	0	0	0	0	0	613	0	81	0
Childrens Mercy Hosp	548	0	0	0	0	0	0	548	0	0	0
Chld Fdn of Mid-America	415	0	415	0	0	0	0	0	0	0	0
Committee for Auto Repair	165	0	0	0	0	0	165	0	0	0	0
Grt Rvrs Allnc Natr Res	35	0	0	0	0	0	35	0	0	0	0
MO Mental Hlth Consumer	60	0	0	0	0	0	0	60	0	0	0

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Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
West North Central, continued:											
Missouri, continued:											
MO Valley Health Span	60	0	0	0	0	0	0	60	0	0	0
Midwest Research Inst	4,451	0	0	128	0	250	88	3,903	3	0	79
Missouri Botanical Garden	971	0	0	0	0	0	0	0	0	971	0
St Johns Mercy Med Ctr	225	0	0	0	0	0	0	225	0	0	0
Youth in Need	450	0	0	0	0	0	0	450	0	0	0
Nebraska, total	1,023	0	600	0	0	0	87	260	0	0	76
Apld Info Mgmt (AIM) Inst	600	0	600	0	0	0	0	0	0	0	0
Fr Flanagan's Boys Home	200	0	0	0	0	0	0	200	0	0	0
Groundwater Fdn, The	97	0	0	0	0	0	87	0	0	0	10
NE Advocacy Services	60	0	0	0	0	0	0	60	0	0	0
Platte Rvr Whooping Crane	66	0	0	0	0	0	0	0	0	0	66
South Dakota, total	1,500	0	0	0	0	0	0	0	1,500	0	0
Siouxland Heritage Mus	1,500	0	0	0	0	0	0	0	1,500	0	0
South Atlantic, total	589,927	1,611	6,298	136,040	11,213	30,520	104,176	135,716	98,574	44,518	21,261
Delaware, total	551	0	0	0	0	0	0	533	0	18	0
Am Philosophical Assn	18	0	0	0	0	0	0	0	0	18	0
Medical Center Delaware	472	0	0	0	0	0	0	472	0	0	0
Visiting Nurse Assn of DE	61	0	0	0	0	0	0	61	0	0	0
District of Columbia, total	197,424	588	926	28,987	7,069	10,498	78,779	25,885	11,994	16,133	16,565
Acad Ed Development Inc	1,800	0	0	0	1,600	0	200	0	0	0	0
Alliance to Save Energy	15	0	0	0	0	0	15	0	0	0	0
Am Anthropological Assc	12	0	0	0	0	0	0	0	0	12	0
Am Assc Advancment Sci	1,704	69	0	0	0	0	705	0	264	666	0
Am Assc Cmty & Jr Col	60	0	0	0	0	0	0	0	0	0	60
Am Assc Retired Persons	11,267	0	0	0	0	0	11,067	200	0	0	0
Am Assc U Women Ed Fdn	8	0	0	8	0	0	0	0	0	0	0
Am Assoc St Hwy&Tms Offc	436	0	0	0	0	0	0	0	0	0	436
Am Astronomical Society	87	0	0	0	0	0	0	0	87	0	0
Am Cncl Enrgy-Effcnt Econ	144	0	0	0	0	37	107	0	0	0	0
Am Educational Rsch Assc	161	0	0	0	0	0	0	0	0	161	0
Am National Red Cross	528	0	0	528	0	0	0	0	0	0	0
Am Psychiatric Assn	366	0	0	0	0	0	0	366	0	0	0
Am Public Hlth Assoc	2	0	0	0	0	0	0	2	0	0	0
Am Registry Pathology	10,638	0	0	10,564	0	0	0	0	0	74	0
Am Soc Engineering Ed	1,700	0	0	1,380	0	235	0	0	40	45	0
Am Soc Microbiology	280	0	0	0	0	250	0	0	0	30	0
Am Statistical Assc	120	16	0	0	0	0	0	0	0	104	0
American Bar Association	120	0	0	0	0	0	0	120	0	0	0
American Bird Observatory	163	0	0	0	0	0	163	0	0	0	0
American Chemical Society	357	1	0	0	0	271	77	0	0	8	0

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[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
South Atlantic, continued:											
District of Columbia, continued:											
American Farmland Trust	625	0	0	0	0	0	625	0	0	0	0
American Geophysicl Union	949	0	0	0	0	0	0	0	316	633	0
American Inst Architects	3	0	0	3	0	0	0	0	0	0	0
American Iron Steel Inst	3,834	0	0	320	0	3,514	0	0	0	0	0
American Lung Assoc	542	0	0	0	0	0	542	0	0	0	0
Aspen Institute	50	0	0	0	0	0	50	0	0	0	0
Assc Am Geographers	105	0	0	0	0	0	0	0	0	105	0
Assc American Railroads	2,181	0	0	0	0	0	0	0	0	0	2,181
Assn Biodiversity Info	214	0	0	0	0	0	159	0	0	0	55
Assn of Amer Med Colleges	222	0	0	0	0	0	0	222	0	0	0
Assoc Hlth Services Rsch	227	0	0	0	0	0	0	227	0	0	0
Assoc St Drinking Wtr Adm	272	0	0	0	0	0	272	0	0	0	0
Assoc State & Terr Hlth	48	0	0	0	0	0	48	0	0	0	0
Assoc Svc & Cnsrvtn Corps	50	0	0	0	0	0	50	0	0	0	0
Assoc Unmand Vehicle Sys	40	0	0	40	0	0	0	0	0	0	0
Assoc Water Pltn Control	275	0	0	0	0	0	275	0	0	0	0
BSR Education Fund	394	0	0	0	0	0	394	0	0	0	0
Bicycle Federation of Am	100	0	0	0	0	0	100	0	0	0	0
Brookings Institution	341	0	0	0	0	0	0	122	0	219	0
Carnegie Inst Washington	8,069	210	0	128	0	650	0	2,570	1,676	2,835	0
Center Marine Conserv	539	0	0	0	0	0	310	0	229	0	0
Child Hosp Natl Med Ctr	2,092	0	0	87	0	0	0	2,005	0	0	0
Childrens Research Inst	640	0	0	0	0	0	0	640	0	0	0
Civil Eng Research Fdn	421	0	267	0	0	0	0	0	0	154	0
Climate Institute	260	0	0	0	0	60	200	0	0	0	0
Cmty Trans Assc of Am	400	0	0	0	0	0	0	400	0	0	0
Cncl Chief St Schl Offcrs	209	0	0	0	0	0	0	0	0	209	0
Community Connections	1,039	0	0	0	0	0	0	1,039	0	0	0
Coneg Policy Rsch Ctr	540	0	0	0	0	540	0	0	0	0	0
Conference Board Math Sci	60	0	0	0	0	0	0	0	0	60	0
Conservation Intl Fdn	163	0	0	0	0	0	0	0	163	0	0
Consumer Research Council	1,013	0	0	0	0	0	1,013	0	0	0	0
Ctr Strategic Intl Study	1,078	0	0	1,078	0	0	0	0	0	0	0
Ctr for Clean Air Policy	587	0	0	0	0	200	387	0	0	0	0
Ctr for Intl Env Law	130	0	0	0	0	0	130	0	0	0	0
Defenders of Wildlife Inc	18	0	0	0	0	0	0	0	0	0	18
Economic Policy Institute	50	0	0	0	0	0	0	0	0	0	50
Environmental Law Inst	1,018	0	0	0	0	0	1,018	0	0	0	0
HJ Heinz Ctr Sci Econ Env	360	0	0	350	0	0	10	0	0	0	0
Inst Local Self Reliance	100	0	0	0	0	0	100	0	0	0	0
Intl City Mgt Assc	1,873	0	0	0	0	0	1,873	0	0	0	0
Intl Food Policy Rsch Inst	1	1	0	0	0	0	0	0	0	0	0
Intl Inst Energy Csrvtn	175	0	0	0	0	0	175	0	0	0	0
Intl Womens Democracy Ctr	75	0	0	0	0	0	0	0	0	0	75

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Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
South Atlantic, continued:											
District of Columbia, continued:											
J Kennedy Inst Hsng Corp	400	0	0	0	400	0	0	0	0	0	0
Justice Rsch & Stat Assoc	90	0	0	0	0	0	0	0	0	0	90
Mediantic Health Care Grp	5,669	0	0	0	949	0	0	4,720	0	0	0
Mortgage Bankers Assc	134	0	0	0	0	0	0	0	0	0	134
N Am Assoc Environ Ed	46	0	0	0	0	0	46	0	0	0	0
NE-Midwest Inst	1,073	0	0	0	0	490	583	0	0	0	0
National Geographic Soc	80	0	0	0	0	0	0	0	80	0	0
National Governors Assc	1,226	0	0	0	0	30	1,076	0	0	0	120
Natl Acad Public Admin	1,071	0	0	0	0	0	0	0	571	0	500
Natl Academy of Sciences	49,889	33	40	13,730	2,200	3,685	795	4,915	6,183	10,510	7,798
Natl Alliance St Sci Math	348	0	0	0	0	0	0	0	348	0	0
Natl Assc Agencies Aging	790	0	0	0	0	0	0	790	0	0	0
Natl Assc Conservation	140	0	0	0	0	0	140	0	0	0	0
Natl Assc St Units Aging	250	0	0	0	0	0	0	250	0	0	0
Natl Assc of Counties	1,252	0	0	0	0	0	1,252	0	0	0	0
Natl Assn Regional Cncls	11	0	0	0	0	0	0	0	0	0	11
Natl Assoc Local Govt Env	191	0	0	0	0	0	180	0	0	0	11
Natl Biomedical Rsch Fdn	1,395	0	0	0	0	0	0	1,175	0	220	0
Natl Caucus Ctr Black Age	10,186	0	0	0	0	0	10,186	0	0	0	0
Natl Cncl Negro Wmn (DC)	323	0	0	0	0	0	273	0	0	0	50
Natl Council on Aging	4,440	0	0	0	0	0	4,315	125	0	0	0
Natl Ctr Adv Technologies	299	0	0	299	0	0	0	0	0	0	0
Natl Ctzn Cltn Nrsg Hm Rf	250	0	0	0	0	0	0	250	0	0	0
Natl Env Ed & Trng Fdn	10	0	0	0	0	0	10	0	0	0	0
Natl Hispanic Cncl Aging	70	0	0	0	0	0	0	70	0	0	0
Natl Sci Teachers Assc	1,028	0	0	0	0	0	0	0	1,028	0	0
Natl Sr Citizen Law Ctr	125	0	0	0	0	0	0	125	0	0	0
Natl Sr Ctzns Ed & Rsch	5,313	0	0	0	0	0	5,313	0	0	0	0
Natl Trust Hist Prsrvtn	200	0	0	0	0	0	0	0	0	0	200
Natl Youth Employmnt Cltn	275	0	0	0	0	0	0	0	0	0	275
Natural Res Def Cncl	185	0	0	0	0	40	145	0	0	0	0
Oceanic Society	33	0	0	33	0	0	0	0	0	0	0
Optical Soc of America	93	0	0	75	0	0	0	0	5	13	0
Pension Rights Center	150	0	0	0	0	0	0	150	0	0	0
Potomac Inst Policy Stud	364	0	0	364	0	0	0	0	0	0	0
Public Voice Food & Hlth	8	8	0	0	0	0	0	0	0	0	0
Qualty Ed for Minor Netwk	500	0	0	0	0	0	0	0	500	0	0
Rad Tech Comm Aerontcs	53	0	0	0	0	0	0	0	53	0	0
Resources for the Future	1,947	0	0	0	0	496	1,279	0	121	51	0
Rule of Law Foundation	506	0	0	0	0	0	0	0	0	0	506
Rural Cltn/Cltn Rural	439	0	439	0	0	0	0	0	0	0	0
Soc American Archaeology	4	0	0	0	0	0	0	0	0	4	0
Soc Developmental Bio	20	0	0	0	0	0	0	0	0	20	0
Solar Enrgy Rsch & Ed Fdn	84	0	0	0	0	0	84	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
South Atlantic, continued:											
District of Columbia, continued:											
St Terr Air Pltn Prgm Adm	888	0	0	0	0	0	888	0	0	0	0
Surface Trans Plcy Prjct	200	0	0	0	0	0	200	0	0	0	0
US Conf Mayors Rsch & Ed	350	0	0	0	0	0	0	0	0	0	350
Unicom Projects	100	0	0	0	0	0	0	0	100	0	0
Unison Institute	160	0	0	0	0	0	160	0	0	0	0
United Cerebral Palsy	2,070	0	0	0	1,920	0	0	0	150	0	0
Urban Institute	8,512	250	0	0	0	0	0	5,402	0	0	2,860
Urban Land Institute	45	0	0	0	0	0	45	0	0	0	0
W Wilson Intl Ctr Scholar	180	0	180	0	0	0	0	0	0	0	0
Wider Opportunities Women	200	0	0	0	0	0	0	0	0	0	200
Women Work! Natl Ntwk	585	0	0	0	0	0	0	0	0	0	585
World Resources Institute	31,744	0	0	0	0	0	31,744	0	0	0	0
World Wildlife Fund US	80	0	0	0	0	0	0	0	80	0	0
Florida, total	8,921	0	304	884	0	0	537	4,628	0	2,568	0
Archbold Biological Stn	50	0	0	0	0	0	0	0	0	50	0
Bayfront Health Sys, Inc	21	0	0	0	0	0	0	21	0	0	0
Boley Ctrs Behavrl Hlth	377	0	0	0	0	0	0	377	0	0	0
FL Fruit & Vegetable	25	0	0	0	0	0	25	0	0	0	0
Fam Svc Assn of Tampa	149	0	0	0	0	0	0	149	0	0	0
Florida Rural Legal Svcs	245	0	245	0	0	0	0	0	0	0	0
Gulf Coast Cmty Care	60	0	0	0	0	0	0	60	0	0	0
Harbor Branch Ocean Inst	3,655	0	59	884	0	0	0	464	0	2,248	0
Marie Selby Botan Gardens	20	0	0	0	0	0	0	0	0	20	0
Mt Sinai Hosp Med Ctr FL	1,527	0	0	0	0	0	0	1,527	0	0	0
Operation Par, Inc	600	0	0	0	0	0	0	600	0	0	0
Peer Center, Inc	509	0	0	0	0	0	0	509	0	0	0
Real Estate Ed Assn	49	0	0	0	0	0	49	0	0	0	0
SEATC Fdn Env Ed	463	0	0	0	0	0	463	0	0	0	0
Tall Timbers Rsch, Inc	250	0	0	0	0	0	0	0	0	250	0
Tri-County Human Svc, Inc	532	0	0	0	0	0	0	532	0	0	0
Village South, Inc	389	0	0	0	0	0	0	389	0	0	0
Georgia, total	13,007	0	0	938	495	874	2,934	7,083	683	0	0
Atlanta Legal Aid Society	100	0	0	0	0	0	0	100	0	0	0
Compuquest, Inc	55	0	0	0	0	0	0	0	55	0	0
JW Jones Ecological Rsch	534	0	0	0	0	0	534	0	0	0	0
Minority Hlth Prof Fdn	6,031	0	0	0	0	0	0	6,031	0	0	0
Natl Cnfc Black Mayor	50	0	0	0	0	0	50	0	0	0	0
Natl Soc Black Physicists	35	0	0	0	0	0	0	0	35	0	0
Rehabilitation Exposure	500	0	0	0	0	0	0	500	0	0	0
SE Cnstrm Minorities Eng	400	0	0	0	0	0	0	0	400	0	0
Shepard Spinal Center	495	0	0	0	495	0	0	0	0	0	0
Skidaway Inst Oceanog	1,500	0	0	938	0	369	0	0	193	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
South Atlantic, continued:											
Georgia, continued:											
Southern State Energy	505	0	0	0	0	505	0	0	0	0	0
St Josephs Hosp (Atln GA)	385	0	0	0	0	0	0	385	0	0	0
University Hosp (Agst GA)	67	0	0	0	0	0	0	67	0	0	0
Zap Asthma Consortium	2,350	0	0	0	0	0	2,350	0	0	0	0
Maryland, total	206,346	53	1,310	55,278	1,129	9,037	6,853	44,063	77,967	9,774	882
Am Assc Immunologists	54	0	0	0	0	0	0	54	0	0	0
Am Fisheries Society	141	0	0	0	0	0	117	0	0	0	24
Am Physical Society	60	0	0	0	0	0	0	0	0	60	0
Am Soc Cell Biology	287	0	0	285	0	0	0	0	0	2	0
Am Soc Human Genetics	35	0	0	0	0	35	0	0	0	0	0
Am Speech Lang&Hearng	125	0	0	0	125	0	0	0	0	0	0
Am Type Culture Col	4,988	0	0	0	0	0	40	4,085	0	863	0
American Inst Physics	167	0	0	0	0	0	0	0	0	167	0
Assc U Rsch in Astronomy	70,043	0	0	70	0	0	0	0	69,973	0	0
Baltimore Urban League	250	0	0	0	0	250	0	0	0	0	0
Bionomics International	530	0	0	0	0	0	530	0	0	0	0
Biores Dvlpmnt&Consrv Pgm	252	0	0	252	0	0	0	0	0	0	0
Chesapeake Rsch Cnsrtm	328	0	0	0	0	0	0	0	0	328	0
Ctr Adv Hispanics Sci Eng	79	0	0	0	0	0	0	0	79	0	0
Ctr Disabilities Rsch&Trg	126	0	0	0	126	0	0	0	0	0	0
Ctr Hlth Policy Studies	10	0	0	0	0	0	0	10	0	0	0
Ecological Soc of America	256	30	0	0	0	0	157	0	49	0	20
Ecosystem Recovery Inst	15	0	0	0	0	0	15	0	0	0	0
Einstn Inst Sci Hlth Crts	396	0	0	0	0	396	0	0	0	0	0
Family Service Agcy, Inc	392	0	0	0	0	0	0	392	0	0	0
Fed Am Soc Exper Biol	105	20	0	0	0	0	0	0	0	85	0
Friends Med Sci Rsch Ctr	7,201	0	0	0	0	0	0	7,201	0	0	0
Friends Rsch Inst, Inc	328	0	0	0	0	0	0	328	0	0	0
Growth Management Inst	122	0	0	0	0	0	122	0	0	0	0
H M Jackson Foundation	68,619	0	0	54,621	0	302	0	13,173	313	210	0
Hebrew Home of Grtr Wash	81	0	0	0	0	0	0	81	0	0	0
Inst Cnsvtn Leadership	50	0	0	0	0	0	50	0	0	0	0
Inst Global Environment	2,671	0	1,268	0	0	0	0	0	1,403	0	0
Inst for Genomic Research	15,484	0	0	0	0	7,650	0	0	0	7,834	0
Intl Braille Research Ctr	125	0	0	0	125	0	0	0	0	0	0
Intr-Indstry Ec Rsch Fund	50	0	0	0	0	0	0	50	0	0	0
J Hopkins Bayview Med Ctr	11,889	0	0	0	0	0	0	11,889	0	0	0
Kennedy Rsch Inst Inc	574	0	0	0	0	0	0	574	0	0	0
Land Ethics Workshop, The	18	0	0	0	0	0	18	0	0	0	0
Life Science Rsch Fdn	324	0	0	0	0	324	0	0	0	0	0
Melwood Hort Training Ctr	3,759	0	0	0	0	0	0	0	3,759	0	0
Natl Assc Home Builders	958	0	42	0	0	0	88	0	0	0	828
Natl Assoc Phys Env	150	0	0	0	0	0	150	0	0	0	0
Natl Public Svc Rsch Inst	175	0	0	0	175	0	0	0	0	0	0
Natl Radiatn Protect Meas	474	0	0	50	0	0	286	0	138	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
South Atlantic, continued:											
Maryland, continued:											
On Our Own of MD, Inc	60	0	0	0	0	0	0	60	0	0	0
Pacific Inst Rsch&Eval MD	5,227	0	0	0	0	0	0	5,227	0	0	0
People to People Hlth Fdn	400	0	0	0	0	0	0	400	0	0	0
Rachel Carson Council	5	0	0	0	0	0	5	0	0	0	0
Renewable Natr Res Fdn	10	0	0	0	0	0	0	0	0	0	10
Sci Comm Oceanic Rsch	275	0	0	0	0	0	0	0	50	225	0
Sinai Hospital Baltimore	230	0	0	0	0	0	0	230	0	0	0
Soc Advancement Chicanos	122	0	0	0	0	0	0	0	122	0	0
Society for In Vitro Bio	3	3	0	0	0	0	0	0	0	0	0
Solid Waste Assoc of N Am	153	0	0	0	0	0	153	0	0	0	0
Transcen, Inc	578	0	0	0	578	0	0	0	0	0	0
Triangle Coaltn Sci&Tech	356	0	0	0	0	80	0	0	276	0	0
U Assoc Rsch & Ed Pathol	309	0	0	0	0	0	0	309	0	0	0
University Rsch Fdn	1,805	0	0	0	0	0	0	0	1,805	0	0
Wildlife Habitat Council	5,122	0	0	0	0	0	5,122	0	0	0	0
North Carolina, total	71,949	68	0	8,322	0	1,152	6,257	50,301	5,072	703	74
Blue Rdg Res Cnsvtn Dev	20	0	0	0	0	0	20	0	0	0	0
Botanical Garden Fdn, Inc	68	68	0	0	0	0	0	0	0	0	0
Carolinas Medical Ctr	50	0	0	0	0	0	0	0	50	0	0
Family Health Intl	14,524	0	0	0	0	0	0	14,524	0	0	0
MCNC(Microelectrn Ctr NC)	7,804	0	0	6,023	0	0	1,078	0	0	703	0
NC MHCO	120	0	0	0	0	0	0	120	0	0	0
Natl Inst Statistical Sci	50	0	0	0	0	0	50	0	0	0	0
Public School Forum of NC	1,034	0	0	0	0	0	1,034	0	0	0	0
Research Triangle Inst	48,279	0	0	2,299	0	1,152	4,075	35,657	5,022	0	74
South Carolina, total	3,305	0	0	100	0	714	0	807	0	544	1,140
Intst Shellfish Sanitatio	275	0	0	0	0	0	0	275	0	0	0
SC Research Authority	2,479	0	0	100	0	714	0	0	0	525	1,140
SC Research Inst	532	0	0	0	0	0	0	532	0	0	0
Satellite Ed Res Cnsrtm	19	0	0	0	0	0	0	0	0	19	0
Virginia, total	80,662	857	3,758	41,531	1,045	5,709	6,009	1,916	2,756	14,778	2,303
Air Conditioning & Refrig	190	0	0	0	0	190	0	0	0	0	0
Am Geological Institute	95	0	0	0	0	0	0	0	0	95	0
Am Inst Biological Sci	813	0	0	813	0	0	0	0	0	0	0
Ambulatory Pediatric Assn	20	0	0	0	0	0	0	20	0	0	0
Analytic Services, Inc	32,887	0	0	32,887	0	0	0	0	0	0	0
Assoc Analytical Chemists	100	0	0	0	0	0	0	100	0	0	0
CSO Partnership, The	83	0	0	0	0	0	83	0	0	0	0
Carib Marine Rsch Ctr	960	0	960	0	0	0	0	0	0	0	0
Challngr Ctr Space Sci Ed	396	0	0	0	0	0	0	0	396	0	0
Cncl on Social Work Ed	225	0	0	0	0	0	0	225	0	0	0
Corp Natl Rsch Initiative	2,353	0	0	2,353	0	0	0	0	0	0	0
ENO Transportation Fdn	30	0	0	0	0	0	0	0	0	0	30

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
South Atlantic, continued:											
Virginia, continued:											
Env Allnc Senior Invlvmnt	50	0	0	0	0	0	50	0	0	0	0
Flight Safety Foundation	100	0	0	0	0	0	0	0	100	0	0
Global Env Tech Fdn	3,907	0	0	0	0	3,907	0	0	0	0	0
Gtr Wash Ed Telecom Assns	500	0	0	0	500	0	0	0	0	0	0
Human Resources Rsch Org	4,944	0	0	4,944	0	0	0	0	0	0	0
Inc Rsch Insts Seismology	11,177	0	0	0	0	0	0	0	0	11,177	0
Inst Global Env Strategy	995	0	0	0	0	0	0	0	0	995	0
Inst Regulatory Science	1,220	0	0	0	0	1,220	0	0	0	0	0
Inst Social Analysis Assc	867	0	0	0	0	0	0	867	0	0	0
Inst for Law & Justice	1,598	0	0	0	0	0	0	0	0	0	1,598
Intl Coop Env Leadership	100	0	0	0	0	0	100	0	0	0	0
Intl Technology Ed Assoc	496	0	0	0	0	0	0	0	496	0	0
Junior Eng Technical Soc	135	0	0	135	0	0	0	0	0	0	0
KISS Inst Practical Rbtcs	54	0	0	0	0	0	0	0	54	0	0
Marine Science Cnsrtm	1,541	0	1,541	0	0	0	0	0	0	0	0
Mathcounts Foundation	22	0	0	0	0	0	0	0	22	0	0
Millennium Institute	35	35	0	0	0	0	0	0	0	0	0
Natl Alliance Mentaly Ill	595	0	0	0	0	0	0	595	0	0	0
Natl Assn St Dir Spcl Ed	147	0	0	0	147	0	0	0	0	0	0
Natl Assn State Brds Ed	200	0	0	0	200	0	0	0	0	0	0
Natl Aviation Rsch Inst	352	0	0	0	0	0	0	0	352	0	0
Natl Captioning Institute	198	0	0	0	198	0	0	0	0	0	0
Natl Conf State Bldg Code	257	0	257	0	0	0	0	0	0	0	0
Natl Ctr Res Innovations	798	798	0	0	0	0	0	0	0	0	0
Natl Ctr for State Courts	170	0	0	0	0	0	0	0	0	0	170
Natl Recycling Cltn	66	0	0	0	0	0	66	0	0	0	0
Natl Soc Black Engineers	28	0	0	0	0	0	0	0	28	0	0
Nature Conservancy	2,383	24	1,000	399	0	152	153	0	150	0	505
Rural Cmty Assistant Prgm	749	0	0	0	0	0	749	0	0	0	0
Senior Env Corps Inst	119	0	0	0	0	0	119	0	0	0	0
Soc Occupational Env Hlth	175	0	0	0	0	0	175	0	0	0	0
Southeastern U Rsch Assc	351	0	0	0	0	0	0	0	0	351	0
Substance Abuse and Addic	109	0	0	0	0	0	0	109	0	0	0
US Cvln R&D Fdn Indep Sts	2,160	0	0	0	0	0	0	0	0	2,160	0
US Export Cncl Renew Engy	240	0	0	0	0	240	0	0	0	0	0
VA's Ctr Innovative Tech	800	0	0	0	0	0	0	0	800	0	0
WHRO	358	0	0	0	0	0	0	0	358	0	0
Water Env Federation	1,244	0	0	0	0	0	1,244	0	0	0	0
Water Env Rsch Fdn	3,270	0	0	0	0	0	3,270	0	0	0	0
West Virginia, total	7,762	45	0	0	1,475	2,536	2,807	500	102	0	297
Appalachia Ed Lab	1,475	0	0	0	1,475	0	0	0	0	0	0
Freshwater Institute	25	25	0	0	0	0	0	0	0	0	0
Shack Neighborhood House	6	6	0	0	0	0	0	0	0	0	0
Spring & Groundwater Inst	14	14	0	0	0	0	0	0	0	0	0
WV High Tech Cnsrtm	202	0	0	0	0	100	0	0	102	0	0
WV Mntl Hlth Consumers As	500	0	0	0	0	0	0	500	0	0	0
WV Research Corp	5,540	0	0	0	0	2,436	2,807	0	0	0	297

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
East South Central, total	57,015	793	1,025	3,488	148	1,337	3,594	42,066	3,576	842	146
Alabama, total	23,364	0	0	3,488	0	1,337	3,169	13,898	640	782	50
Hlth Enhancement Rsch Org	101	0	0	0	0	0	0	0	101	0	0
Marine Environ Sci Cnsrtm	782	0	0	0	0	0	0	0	0	782	0
Mntl Hlth Consumers of AL	115	0	0	0	0	0	0	115	0	0	0
Natl Speleological Soc	50	0	0	0	0	0	0	0	0	0	50
North AL Science Center	120	0	0	0	0	0	0	0	120	0	0
SE Ctr Elec Eng Ed	537	0	0	537	0	0	0	0	0	0	0
Southern Research Inst	21,659	0	0	2,951	0	1,337	3,169	13,783	419	0	0
Kentucky, total	2,076	0	500	0	148	0	425	1,003	0	0	0
Access to Justice Fdn	100	0	0	0	0	0	0	100	0	0	0
Bluegrass Regional MH-MR	60	0	0	0	0	0	0	60	0	0	0
Cncl for Retarded Citizen	148	0	0	0	148	0	0	0	0	0	0
Cncl of State Governments	425	0	0	0	0	0	425	0	0	0	0
Conf Radiatn Cntrl Drctrs	782	0	0	0	0	0	0	782	0	0	0
Louis Jeffrsn Cnties Cmty	61	0	0	0	0	0	0	61	0	0	0
Mtn Assn Cmty Econ Dev	500	0	500	0	0	0	0	0	0	0	0
Mississippi, total	3,844	793	0	0	0	0	0	115	2,936	0	0
Gulf Coast Rsch Lab	793	793	0	0	0	0	0	0	0	0	0
Inst for Technology Dev	2,936	0	0	0	0	0	0	0	2,936	0	0
S MS Legal Svcs Corp	115	0	0	0	0	0	0	115	0	0	0
Tennessee, total	27,731	0	525	0	0	0	0	27,050	0	60	96
American Economic Assc	60	0	0	0	0	0	0	0	0	60	0
Capacity for Justice, Inc	150	0	0	0	0	0	0	150	0	0	0
Ducks Unlimited, Inc	34	0	0	0	0	0	0	0	0	0	34
Knoxville-Oak Rdg Reg Ntw	525	0	525	0	0	0	0	0	0	0	0
SE Aquatic Research Inst	37	0	0	0	0	0	0	0	0	0	37
Southeast TN Legal Svcs	110	0	0	0	0	0	0	110	0	0	0
St Jude Child Rsch Hosp	26,730	0	0	0	0	0	0	26,730	0	0	0
TN Conservation League	25	0	0	0	0	0	0	0	0	0	25
TN Mntl Hlth Consum Assn	60	0	0	0	0	0	0	60	0	0	0
West South Central, total	129,188	868	378	8,454	4,095	1,351	2,323	11,816	92,247	7,648	8
Arkansas, total	1,421	0	330	0	0	0	0	1,091	0	0	0
Child Development, Inc	637	0	0	0	0	0	0	637	0	0	0
Cntr for Youth and Family	454	0	0	0	0	0	0	454	0	0	0
Jones Center for Families	330	0	330	0	0	0	0	0	0	0	0
Louisiana, total	876	40	0	0	0	0	0	836	0	0	0
Alton Ochsner Med Fdn	672	0	0	0	0	0	0	672	0	0	0
Sugar Process Rsch Inst	40	40	0	0	0	0	0	0	0	0	0
Touro Research Institute	164	0	0	0	0	0	0	164	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
West South Central, continued:											
Oklahoma, total	8,335	0	0	0	0	0	233	7,776	220	106	0
Aerospace States Assn	220	0	0	0	0	0	0	0	220	0	0
Family and Childrens Svcs	450	0	0	0	0	0	0	450	0	0	0
Groundwater Prtctn Cncl	75	0	0	0	0	0	75	0	0	0	0
Oklahoma Med Rsch Fdn	7,432	0	0	0	0	0	0	7,326	0	106	0
Soc Applied Anthropology	158	0	0	0	0	0	158	0	0	0	0
Texas, total	118,556	828	48	8,454	4,095	1,351	2,090	2,113	92,027	7,542	8
Aliviane, Inc	400	0	0	0	0	0	0	400	0	0	0
Bat Conservation Intl	10	0	0	0	0	0	10	0	0	0	0
Cache Corporation	133	0	0	0	0	0	0	0	0	133	0
Dallas Helps	205	0	0	0	0	0	0	205	0	0	0
Enrgy Rsch Clearing House	8	0	0	0	0	0	0	0	0	0	8
Hispanic Assc Col & U	1,818	818	0	0	0	0	0	0	1,000	0	0
Houston Advanced Rsch	270	0	0	120	0	50	50	0	50	0	0
Houston Area Research Ctr	3,740	0	0	3,740	0	0	0	0	0	0	0
Inst Rehab & Rsch	2,032	0	0	0	2,032	0	0	0	0	0	0
M Leind Natl Air Txc Rsch	1,950	0	0	0	0	0	1,950	0	0	0	0
Natl Assc Corrosion Eng	20	0	0	20	0	0	0	0	0	0	0
Oficina Legal del Pueblo	136	0	0	0	0	0	0	136	0	0	0
Recycling Citn of Texas	75	0	0	0	0	0	75	0	0	0	0
Retina Fdn of the SW	135	0	0	0	0	0	0	135	0	0	0
Rio Grande Valley Cncl	535	0	0	0	0	0	0	535	0	0	0
Rio Grande/Bravo Bsn Citn	5	0	0	0	0	0	5	0	0	0	0
Scott and White Mem Hosp	466	0	0	0	0	0	0	466	0	0	0
Sen Citizens Grtr Dallas	61	0	0	0	0	0	0	61	0	0	0
Southwest Ed Dev Lab	2,063	0	0	0	2,063	0	0	0	0	0	0
Southwest Fdn Biomed Rsch	219	0	0	0	0	0	0	0	219	0	0
Southwest Research Inst	31,727	10	0	4,374	0	130	0	0	26,861	352	0
Stehlin Fnd for Cncr Rsch	115	0	0	0	0	0	0	115	0	0	0
TX Mntl Hlth Consumers	60	0	0	0	0	0	0	60	0	0	0
Texas Eng Exprmt Station	7,977	0	0	0	0	1,171	0	0	0	6,806	0
Universities Space Rsch	64,348	0	0	200	0	0	0	0	63,897	251	0
Valley Zoological Society	48	0	48	0	0	0	0	0	0	0	0
Mountain, total	72,766	1,440	544	2,664	2,318	12,237	3,723	43,061	3,003	2,037	1,739
Arizona, total	7,083	41	0	0	0	0	0	5,653	1,171	218	0
AZ-MX Border Health Fdn	600	0	0	0	0	0	0	600	0	0	0
Codac Behavioral Hlth Svc	408	0	0	0	0	0	0	408	0	0	0
Desert Botanical Garden	1	1	0	0	0	0	0	0	0	0	0
Good Samaritan Med Ctr	683	0	0	0	0	0	0	683	0	0	0
Lowell Observatory	1,386	0	0	0	0	0	0	0	1,171	215	0
Malpai Borderlands Group	40	40	0	0	0	0	0	0	0	0	0
Pima Prevention Partnersh	201	0	0	0	0	0	0	201	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Mountain, continued:											
Arizona, continued:											
St Josephs Hosp & Med Ctr	2,728	0	0	0	0	0	0	2,725	0	3	0
Sun Health Rsch Inst	1,036	0	0	0	0	0	0	1,036	0	0	0
Colorado, total	42,780	18	0	323	2,318	1,410	2,903	33,144	1,428	999	237
Am Acad of Forensic Sci	51	0	0	0	0	0	0	0	0	0	51
Am Cancer Rsch Ctr & Hosp	6,831	0	0	0	0	0	0	6,831	0	0	0
Am Indian Sci & Eng Soc	620	0	0	0	0	0	620	0	0	0	0
Am Solar Energy Society	90	0	0	0	0	90	0	0	0	0	0
Am Wtr Wrks Assn Rsch Fdn	1,299	0	0	0	0	0	1,155	0	0	0	144
Arapahoe House, Inc	879	0	0	0	0	0	0	879	0	0	0
Aspen Center for Physics	283	0	0	0	0	6	0	0	23	254	0
Atmosphere Sys & Analysis	129	0	0	0	0	0	0	0	129	0	0
Biol Sci Curriculm Study	375	0	0	0	0	375	0	0	0	0	0
CO Ctr Environmental Mgmt	625	0	0	0	0	625	0	0	0	0	0
Clean Airport Partnership	35	0	0	0	0	0	35	0	0	0	0
Craig Hospital	843	0	0	0	843	0	0	0	0	0	0
Crow Valley Livestock	18	18	0	0	0	0	0	0	0	0	0
Ctr Hlth Policy Rsch	440	0	0	0	0	0	0	440	0	0	0
E Roosevelt Inst Cancer	2,435	0	0	0	0	40	0	2,395	0	0	0
Geological Soc of America	32	0	0	0	0	0	0	0	0	0	32
Jefferson Cntr Mntl Hlth	150	0	0	0	0	0	0	150	0	0	0
Kystn Symp Molec Cell Bio	20	0	0	0	0	10	0	0	0	10	0
Mid Continent Reg Ed Lab	1,475	0	0	0	1,475	0	0	0	0	0	0
Natl Conf St Legis Leader	302	0	0	0	0	115	187	0	0	0	0
Natl Env Hlth Associate	125	0	0	0	0	0	125	0	0	0	0
Natl Jewish Med Rsch Ctr	22,939	0	0	323	0	0	781	21,835	0	0	0
Rocky Mountain Bio Lab	735	0	0	0	0	0	0	0	0	735	0
Soc Mining Mtlgy&Explrtn	10	0	0	0	0	0	0	0	0	0	10
Solar Energy Intl	25	0	0	0	0	0	0	0	25	0	0
Space Science Institute	596	0	0	0	0	0	0	0	596	0	0
St Marys Hosp (Gd Jct CO)	330	0	0	0	0	149	0	181	0	0	0
US Space Foundation	480	0	0	0	0	0	0	0	480	0	0
WICHE	150	0	0	0	0	0	0	150	0	0	0
White Bison, Inc	283	0	0	0	0	0	0	283	0	0	0
Windstar Foundation	175	0	0	0	0	0	0	0	175	0	0
Idaho, total	60	0	0	0	0	0	0	60	0	0	0
Consumer Advocacy Comm	60	0	0	0	0	0	0	60	0	0	0
Montana, total	2,285	1,381	300	0	0	0	0	468	136	0	0
Bitterroot Basic Research	11	0	0	0	0	0	0	0	11	0	0
Critical Illness&Trauma	300	0	300	0	0	0	0	0	0	0	0
In-Care Network, Inc	327	0	0	0	0	0	0	327	0	0	0
MT Heritage Foundation	34	34	0	0	0	0	0	0	0	0	0
MT Hosp Rsch & Ed Fdn	141	0	0	0	0	0	0	141	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Mountain, continued:											
Montana, continued:											
Natl Ctr Appropriate Tech	1,300	1,300	0	0	0	0	0	0	0	0	0
Systems for Envir Mgt	47	47	0	0	0	0	0	0	0	0	0
Yellowstone Ecosys Stud	125	0	0	0	0	0	0	0	125	0	0
Nevada, total	685	0	0	0	0	0	0	74	0	0	611
Comm Counsel Cntr Las Veg	74	0	0	0	0	0	0	74	0	0	0
Natl Cncl Juv Fam Crt Jdg	611	0	0	0	0	0	0	0	0	0	611
New Mexico, total	15,216	0	244	2,341	0	7,904	760	2,879	268	820	0
First Nat Comm Hlth Svc	290	0	0	0	0	0	0	290	0	0	0
Lovelace Fdn for Med Ed	1,871	0	0	0	0	0	0	1,871	0	0	0
Lovelace Resp Rsch Ins	6,714	0	0	1,847	0	4,670	197	0	0	0	0
Museum of New Mexico	244	0	244	0	0	0	0	0	0	0	0
Natl Ctr Genome Resources	2,362	0	0	0	0	2,362	0	0	0	0	0
Natl Indian Cncl Aging	130	0	0	0	0	0	0	130	0	0	0
Natl Indian Youth Leader	450	0	0	0	0	0	0	450	0	0	0
Natl Tribal Env Council	523	0	0	0	0	0	523	0	0	0	0
New Mexico Mesa Inc	90	0	0	0	0	0	0	0	90	0	0
New Mexico Resonance	455	0	0	0	0	277	0	0	178	0	0
Presbyterian Medical Svc	138	0	0	0	0	0	0	138	0	0	0
Santa Fe Institute	1,675	0	0	480	0	375	0	0	0	820	0
Self Reliance Foundation	260	0	0	0	0	220	40	0	0	0	0
Spectra Research Inst	14	0	0	14	0	0	0	0	0	0	0
Utah, total	843	0	0	0	0	0	60	783	0	0	0
Asian Assn of Utah	450	0	0	0	0	0	0	450	0	0	0
Center for Resource Mgt	60	0	0	0	0	0	60	0	0	0	0
Latter Day Saints Hosp	333	0	0	0	0	0	0	333	0	0	0
Wyoming, total	3,814	0	0	0	0	2,923	0	0	0	0	891
Western Research Inst	3,814	0	0	0	0	2,923	0	0	0	0	891
Pacific, total	509,486	8,493	1,108	53,692	12,408	3,466	18,202	331,777	54,763	21,478	4,099
Alaska, total	3,496	0	0	0	0	0	0	370	2,500	615	11
AK Chlgr Space Sci Tech	2,500	0	0	0	0	0	0	0	2,500	0	0
Alaska Bird Observatory	11	0	0	0	0	0	0	0	0	0	11
Alaska Federation Natives	59	0	0	0	0	0	0	0	0	59	0
Arctic Rsch Cnsrtm of US	505	0	0	0	0	0	0	0	0	505	0
Barrow Arctic Sci Cnsrtm	51	0	0	0	0	0	0	0	0	51	0
Fairbanks Native Assn	292	0	0	0	0	0	0	292	0	0	0
Southcentral Foundation	78	0	0	0	0	0	0	78	0	0	0
California, total	304,423	267	603	40,675	9,958	3,000	11,076	175,822	39,319	19,632	4,071
AIDS Healthcare Fdn	1,000	0	0	0	0	0	0	1,000	0	0	0
Addiction Research Fdn	620	0	0	0	0	0	0	620	0	0	0
Adopt-A-Watershed	60	0	0	0	0	0	60	0	0	0	0
Agouron Institute	420	0	0	155	0	0	0	265	0	0	0
American Oceans Campaign	55	0	0	0	0	0	55	0	0	0	0

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Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Pacific, continued:											
California, continued:											
American Tech Initiative	30,465	0	0	0	0	0	0	0	30,465	0	0
Applied Technology Cncl	5	0	0	0	0	0	0	0	0	0	5
Art, Rsch&Curriculum Assn	196	0	0	0	196	0	0	0	0	0	0
Asian Am Recovery Svs	690	0	0	0	0	0	0	690	0	0	0
Assoc Asian Pac Cmty Hlth	61	0	0	0	0	0	61	0	0	0	0
Bay Area Env Rsch Inst	316	0	0	0	0	0	0	0	316	0	0
Beckman Research Inst	10,954	0	0	0	0	0	0	10,632	0	322	0
Burnham Institute, The	20,055	0	0	2,126	0	0	0	17,929	0	0	0
CA Academy of Sciences	322	0	0	0	0	0	0	0	0	322	0
CA Advocates Nrsg Hm Ref	75	0	0	0	0	0	0	75	0	0	0
CA Assn of Alcohol and Dr	238	0	0	0	0	0	0	238	0	0	0
CA Chld Care Res Rfr Ntwk	200	0	0	0	0	0	0	200	0	0	0
CA Network of Mntl Hlth	60	0	0	0	0	0	0	60	0	0	0
CA Public Hlth Foundation	7,401	0	0	0	738	0	0	6,663	0	0	0
CA Strawberry Commission	25	0	0	0	0	0	25	0	0	0	0
CA U Rsch Earthquake Eng	76	0	0	0	0	0	0	0	0	76	0
California Resources Agcy	256	0	0	0	0	0	0	0	256	0	0
Calstart, Inc	1,461	0	0	0	0	0	0	0	0	0	1,461
Cedars Sinai Med Ctr	10,617	0	0	0	0	0	0	10,588	29	0	0
Child Hosp & Health Ctr	2,665	0	0	0	0	0	0	2,665	0	0	0
Child Hosp Los Angeles	10,244	0	0	26	0	0	0	10,218	0	0	0
Child Hosp&Med Ctr N CA	2,668	0	0	0	0	0	0	2,668	0	0	0
Children's Institute Intl	900	0	0	0	0	0	0	900	0	0	0
City of Hope Medical Ctr	725	0	0	725	0	0	0	0	0	0	0
Cntr for Common Concerns	150	0	0	0	0	0	0	150	0	0	0
Coral Reef Research Fdn	31	0	31	0	0	0	0	0	0	0	0
Corp for Supportive House	148	0	0	0	0	0	0	148	0	0	0
Ctr Adv Study Behav Sci	1,700	0	0	0	0	0	0	0	0	1,700	0
Ctr Resolutn Env Disputes	21	0	0	0	0	0	0	0	0	0	21
Ctr Rsch Innovation & Soc	83	0	0	0	0	0	0	0	0	83	0
Discovery Science Center	1,000	0	0	0	0	0	0	0	1,000	0	0
Doheny Eye Institute	1,292	0	0	0	0	0	0	1,292	0	0	0
E Sierra Inst Clbrtv Ed	53	53	0	0	0	0	0	0	0	0	0
ETR Associates, Inc	521	0	0	0	0	0	0	521	0	0	0
Earthquake Eng Rsch Inst	295	0	0	0	0	0	0	0	0	295	0
East Bay Comm Recoverey	297	0	0	0	0	0	0	297	0	0	0
East Bay Inst Rsch & Ed	7	0	0	0	0	0	0	0	0	7	0
East Bay Perinatal Cncl	498	0	0	0	0	0	0	498	0	0	0
Eeg Systems Lab	303	0	0	0	0	0	0	0	303	0	0
Electric Power Research	5,317	0	0	2,935	0	2,202	0	0	0	0	180
Far W Labs Ed Rsch & Dev	1,475	0	0	0	1,475	0	0	0	0	0	0
Fdn for Ed Achievement	150	0	0	0	150	0	0	0	0	0	0
Fdn for Transplant Rsch	500	0	0	0	0	0	0	0	500	0	0
Galileo Foundation	30	0	0	0	0	0	0	0	30	0	0
Genetic Info Rsch Inst	81	0	0	0	0	81	0	0	0	0	0

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Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Pacific, continued:											
California, continued:											
Helio Research	79	0	0	0	0	0	0	0	79	0	0
Hereditary Dis Fdn	489	0	0	0	0	0	0	489	0	0	0
Hlth Initiatives for Yo	148	0	0	0	0	0	0	148	0	0	0
House Ear Institute	3,748	0	0	2,062	0	0	0	1,686	0	0	0
Huntington Med Rsch Insts	2,486	0	0	0	0	0	0	2,486	0	0	0
Hydrolic Research Ctr	56	0	0	0	0	0	0	0	56	0	0
Inst Rsch & Tech Asstnc	200	0	0	0	0	0	200	0	0	0	0
Inst Study Learning Exper	125	0	0	120	0	0	0	0	0	5	0
Inst for Bird Populations	80	0	0	0	0	0	0	0	0	0	80
Intl Computer Sci Inst	556	0	0	34	0	0	0	0	0	522	0
Jay David Gladstone Fdn	9,642	0	0	0	0	0	0	9,642	0	0	0
Kaiser Fdn Rsch Inst	10,135	0	0	0	0	0	0	10,135	0	0	0
Kestrel Institute	177	0	0	0	0	0	0	0	177	0	0
L A City Mus Natr Hist	49	0	0	0	0	0	0	0	0	49	0
Latino Behavioral Hlth In	103	0	0	0	0	0	0	103	0	0	0
Local Gvmmnt Cmsn of CA	120	0	0	0	0	0	120	0	0	0	0
Los Amigos Rsch & Ed	2,442	0	0	0	2,442	0	0	0	0	0	0
Math Sciences Rsch Inst	5,738	0	0	20	0	250	0	0	0	5,468	0
Medical Biology Institute	869	0	0	0	0	0	0	869	0	0	0
Molecular Research Inst	565	0	0	0	0	0	0	554	11	0	0
Monterey Bay Aquarm Rsch	192	0	0	0	0	0	0	0	192	0	0
National Water Rsch Inst	22	0	0	0	0	0	0	0	0	0	22
Natl Assoc Hispanic Eldly	7,288	0	0	0	0	0	7,288	0	0	0	0
Natl Cncl Crime & Delnqcy	627	0	0	0	0	0	0	0	0	0	627
Northern CA Inst Rsch&Ed	373	0	0	219	0	0	0	0	154	0	0
Organic Farming Rsch Fdn	20	0	0	0	0	0	20	0	0	0	0
Pac Inst Stud Dev Env Sec	632	0	0	0	0	0	632	0	0	0	0
Pacific Forest Trust	30	30	0	0	0	0	0	0	0	0	0
Palo Alto Med Rsch Fdn	1,848	0	0	0	0	0	0	1,848	0	0	0
Parkinson Institute	554	0	0	0	0	0	554	0	0	0	0
Partnershp Env Tech Ed	1,375	0	0	0	0	0	1,375	0	0	0	0
Pat Projects	125	0	0	0	0	0	0	0	125	0	0
Prnts Help Prnts San Fran	60	0	0	0	0	0	0	60	0	0	0
Prototypes	523	0	0	0	0	0	0	523	0	0	0
Public Health Fdn Entrprs	2,018	0	0	0	0	0	0	2,018	0	0	0
Public Health Institute	443	0	0	0	0	0	0	443	0	0	0
Rancho Santa Ana Bot Gdns	10	0	0	0	0	0	0	0	0	10	0
Rand Corporation	25,815	0	0	0	569	65	0	22,956	50	500	1,675
S Juan Capstmo Rsch Inst	544	0	0	0	0	0	0	0	544	0	0
SRI International	54,383	0	44	31,458	242	115	0	12,164	1,398	8,962	0
Salk Inst for Biol Study	34,916	77	0	608	0	214	0	33,017	245	755	0
Santa Barb Mus Natr Hist	98	0	0	0	0	0	0	0	0	98	0
Santa Clara Valley Med	718	0	0	0	718	0	0	0	0	0	0
Scientific Analysis Corp	1,701	0	0	0	0	0	0	1,701	0	0	0
Seti Institute	3,397	0	0	0	0	0	0	0	3,097	300	0

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Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Pacific, continued:											
California, continued:											
Shields for Families Proj	400	0	0	0	0	0	0	400	0	0	0
Smith Kettwell Eye Rsch	5,029	0	0	187	900	0	0	3,892	50	0	0
Snta Barbara Maritime Mus	30	0	30	0	0	0	0	0	0	0	0
So CA Alcohol and Drug	400	0	0	0	0	0	0	400	0	0	0
Soundvision Productions	73	0	0	0	0	73	0	0	0	0	0
Space Physics Rsch Inst	262	0	0	0	0	0	0	0	242	20	0
Through the Looking Glass	637	0	0	0	637	0	0	0	0	0	0
Tides Foundation, The	1,136	0	0	0	0	0	636	500	0	0	0
Torrey Pines Inst Molecl	98	0	0	0	0	0	0	0	0	98	0
Transnatl Family Rsch CA	273	0	0	0	0	0	0	273	0	0	0
Urban Indian Hlth Board	314	0	0	0	0	0	0	314	0	0	0
Washington Research Inst	480	0	0	0	480	0	0	0	0	0	0
Water Education Fdn	50	0	0	0	0	0	50	0	0	0	0
Watershed Rsch&Trng Ctr	107	107	0	0	0	0	0	0	0	0	0
Western Cnsrtm Public Hlth	884	0	0	0	0	0	0	884	0	0	0
Western Identificatn Ntwk	498	0	498	0	0	0	0	0	0	0	0
World Inst Disabil Rsch	1,411	0	0	0	1,411	0	0	0	0	0	0
Zoological Soc San Diego	40	0	0	0	0	0	0	0	0	40	0
Hawaii, total	24,555	8,061	69	0	1,475	120	0	2,311	12,166	336	17
Bernice P Bishop Museum	1,127	0	0	0	0	0	0	0	1,000	110	17
CA Assoc Rsch Astronomy	11,017	0	0	0	0	0	0	0	11,017	0	0
Ctr Cultrl Tech Interchng	50	0	0	0	0	0	0	0	0	50	0
East-West Center	329	60	0	0	0	120	0	0	149	0	0
Hawaii Sugar Planters	1,044	936	0	0	0	0	0	0	0	108	0
Kuakini Med Rsch Inst	1,766	0	0	0	0	0	0	1,766	0	0	0
Natl Trpcl Botanical Grdn	83	15	0	0	0	0	0	0	0	68	0
Oceanic Institute	5,429	5,429	0	0	0	0	0	0	0	0	0
Pacific Basin Dev Council	69	0	69	0	0	0	0	0	0	0	0
Pacific Intl Ctr Hi Tech	1,621	1,621	0	0	0	0	0	0	0	0	0
Pacific Region Ed Lab	1,475	0	0	0	1,475	0	0	0	0	0	0
Queens Medical Center	173	0	0	0	0	0	0	173	0	0	0
St Francis Medical Ctr	372	0	0	0	0	0	0	372	0	0	0
Oregon, total	49,353	10	114	10,667	975	75	706	36,502	304	0	0
1000 Friends of Oregon	706	0	0	0	0	0	706	0	0	0	0
Central City Concern	146	0	0	0	0	0	0	146	0	0	0
Easter Seal Soc of Oregon	63	0	0	0	0	0	0	63	0	0	0
Emanuel Hospital	366	0	0	0	0	0	0	366	0	0	0
Eugene Research Inst	325	0	0	0	325	0	0	0	0	0	0
Good Sam Hosp & Med	1,039	0	0	0	0	0	0	735	304	0	0
Insights Teen Parents Prg	460	0	0	0	0	0	0	460	0	0	0
Intertribal GIS Council	114	0	114	0	0	0	0	0	0	0	0
N W Reg Education Lab	300	0	0	0	300	0	0	0	0	0	0
OR Reg Primate Rsch Ctr	18,135	10	0	0	0	0	0	18,125	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Federal obligations for science and engineering research and development and R&D plant to independent nonprofit institutions, by geographic division, State, institution, and agency: fiscal year 1998

[Dollars in thousands]

Geographic division, State, and institution	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Pacific, continued:											
Oregon, continued:											
Options for Southern OR	102	0	0	0	0	0	0	102	0	0	0
Oregon Museum Sci Indstry	188	0	0	0	0	0	0	188	0	0	0
Oregon Research Inst	9,580	0	0	0	350	0	0	9,230	0	0	0
Oregon Socl Learning Ctr	5,502	0	0	0	0	0	0	5,502	0	0	0
Providence Med Ctr Prtlnd	11,904	0	0	10,667	0	75	0	1,162	0	0	0
Self Enhancement, Inc	423	0	0	0	0	0	0	423	0	0	0
Washington, total	127,659	155	322	2,350	0	271	6,420	116,772	474	895	0
Astrophysical Rsch Cnsrtm	52	0	0	52	0	0	0	0	0	0	0
Battelle Ctrs Pub Hlth	1,227	0	0	0	0	0	0	1,227	0	0	0
Child Hosp Med Ctr Seat	3,392	0	0	0	0	0	0	3,392	0	0	0
Ctr Health Studies	337	0	0	0	0	0	0	337	0	0	0
Earth and Space Research	1,025	0	0	181	0	0	0	0	474	370	0
F Hutchnsn Cancer Rsch	102,305	150	0	2,071	0	249	140	99,170	0	525	0
Fdrtn Fam Child Mntl Hlth	1,580	0	0	0	0	0	0	1,580	0	0	0
Infcts Disease Rsch Inst	335	0	0	0	0	0	0	335	0	0	0
Intl Assoc Wildland Fire	5	5	0	0	0	0	0	0	0	0	0
Intl Soc Optical Eng	18	0	0	16	0	0	0	0	0	0	0
N Pacific Marine Sci Fdn	322	0	322	0	0	0	0	0	0	0	0
Natl Asian Pac Ctr Aging	6,405	0	0	0	0	0	6,145	260	0	0	0
Northwest Justice Project	97	0	0	0	0	0	0	97	0	0	0
Pacific NW Research Fdn	1,386	0	0	30	0	0	0	1,356	0	0	0
Pacific Watershed Inst	100	0	0	0	0	0	100	0	0	0	0
Puget Sound Blood Center	785	0	0	0	0	0	0	785	0	0	0
Seattle Biomed Rsch Inst	4,409	0	0	0	0	0	0	4,409	0	0	0
Seattle Cltn Ed Equity	22	0	0	0	0	22	0	0	0	0	0
Swedish Hospital Med Ctr	871	0	0	0	0	0	0	871	0	0	0
VA Msn Fdn Med Ed & Rsch	2,953	0	0	0	0	0	0	2,953	0	0	0
Yakima Vly Frmwrkrs Clnc	35	0	0	0	0	0	35	0	0	0	0

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Interior, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

KEY: USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-28. Federal obligations for science and engineering research and development and R&D plant to research institutes, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
Total, all institutions	1,454,174	9,422	5,232	461,482	19,377	39,575	33,634	704,515	540	70,907	98,801	10,689
1 Mitre Corporation	204,975	0	0	204,975	0	0	0	0	0	0	0	0
2 F Hutchnsn Cancer Rsch	102,305	150	0	2,071	0	249	140	99,170	0	0	525	0
3 H M Jackson Foundation	68,619	0	0	54,621	0	302	0	13,173	0	313	210	0
4 Mem Sloan-Kettering Canc	55,661	0	0	338	0	635	0	54,335	0	0	353	0
5 SRI International	54,383	0	44	31,458	242	115	0	12,164	0	1,398	8,962	0
6 Research Triangle Inst	48,279	0	0	2,299	0	1,152	4,075	35,657	0	5,022	0	74
7 Battelle Memorial Inst	46,578	0	0	19,385	0	200	3,523	15,190	0	6,860	0	1,420
8 Joint Ocean Insts, Inc	35,566	0	0	0	0	0	0	0	0	0	35,566	0
9 Salk Inst for Biol Study	34,916	77	0	608	0	214	0	33,017	0	245	755	0
10 Analytic Services, Inc	32,887	0	0	32,887	0	0	0	0	0	0	0	0
Total 1st 10 institutions	684,169	227	44	348,642	242	2,867	7,738	262,706	0	13,838	46,371	1,494
11 Draper Laboratories	31,758	0	0	26,770	0	0	0	0	0	4,988	0	0
12 Southwest Research Inst	31,727	10	0	4,374	0	130	0	0	0	26,861	352	0
13 Whitehead Inst Biomed	30,303	0	0	0	0	4,022	0	25,817	0	0	464	0
14 Rand Corporation	25,815	0	0	0	569	65	0	22,956	0	50	500	1,675
15 Jackson Laboratory	24,415	5	0	0	0	0	0	23,887	0	0	523	0
16 Cold Spring Harbor Lab	23,822	405	0	0	0	208	0	20,412	0	0	2,797	0
17 Southern Research Inst	21,659	0	0	2,951	0	1,337	3,169	13,783	0	419	0	0
18 Burnham Institute, The	20,055	0	0	2,126	0	0	0	17,929	0	0	0	0
19 OR Reg Primate Rsch Ctr	18,135	10	0	0	0	0	0	18,125	0	0	0	0
20 Ctr Blood Research	17,355	0	0	0	0	0	0	17,355	0	0	0	0
Total 1st 20 institutions	929,213	657	44	384,863	811	8,629	10,907	422,970	0	46,156	51,007	3,169
21 Wistar Institute	15,665	0	0	492	0	0	0	14,231	0	576	366	0
22 Inst for Genomic Research	15,484	0	0	0	0	7,650	0	0	0	0	7,834	0
23 Family Health Intl	14,524	0	0	0	0	0	0	14,524	0	0	0	0
24 Beckman Research Inst	10,954	0	0	0	0	0	0	10,632	0	0	322	0
25 Am Registry Pathology	10,638	0	0	10,564	0	0	0	0	0	0	74	0
26 Natl Bureau Econ Rsch Inc	10,543	0	0	0	0	0	0	4,592	0	0	5,951	0
27 Kaiser Fdn Rsch Inst	10,135	0	0	0	0	0	0	10,135	0	0	0	0
28 MPC Corporation	9,770	0	0	1,609	0	0	0	3,161	0	0	5,000	0
29 Oregon Research Inst	9,580	0	0	0	350	0	0	9,230	0	0	0	0
30 IIT Research Institute	9,499	0	0	6,169	0	0	0	2,010	0	520	0	800
Total 1st 30 institutions	1,046,005	657	44	403,697	1,161	16,279	10,907	491,485	0	47,252	70,554	3,969
31 Frontier Sci & Tech Rsch	9,493	0	0	0	0	0	0	9,493	0	0	0	0
32 Inst for Cancer Research	8,822	0	0	0	0	0	0	8,627	0	0	195	0
33 American Hlth Fdn, Inc	8,754	0	0	0	0	0	0	8,754	0	0	0	0
34 Urban Institute	8,512	250	0	0	0	0	0	5,402	0	0	0	2,860
35 Schepens Eye Rsch Inst	8,507	0	0	0	0	350	0	8,115	0	42	0	0
36 St Lukes-Rsvlt Inst Hlth	8,362	0	0	0	0	0	0	8,362	0	0	0	0
37 Texas Eng Exprnt Station	7,977	0	0	0	0	1,171	0	0	0	0	6,806	0
38 MCNC(Microelectrn Ctr NC)	7,804	0	0	6,023	0	0	1,078	0	0	0	703	0
39 Health Effects Institute	7,500	0	0	0	0	0	7,500	0	0	0	0	0
40 Oklahoma Med Rsch Fdn	7,432	0	0	0	0	0	0	7,326	0	0	106	0
Total 1st 40 institutions	1,129,168	907	44	409,720	1,161	17,800	19,485	547,564	0	47,294	78,364	6,829
41 CA Public Hlth Foundation	7,401	0	0	0	738	0	0	6,663	0	0	0	0
42 Friends Med Sci Rsch Ctr	7,201	0	0	0	0	0	0	7,201	0	0	0	0
43 Public Health Res Inst	6,998	0	0	0	0	0	0	6,998	0	0	0	0
44 Forsyth Dental Center	6,904	0	0	0	0	0	0	6,904	0	0	0	0
45 Ohio Aerospace Institute	6,834	0	0	1,548	0	0	0	0	0	5,286	0	0
46 Lovelace Resp Rsch Ins	6,714	0	0	1,847	0	4,670	197	0	0	0	0	0
47 Ctr Molecular Med & Immun	6,506	0	0	0	0	225	0	6,281	0	0	0	0
48 EK Shriver Ctr Mental	6,421	0	0	0	0	130	0	6,291	0	0	0	0
49 Environmental Rsch Inst	6,297	0	0	5,583	0	0	0	0	0	714	0	0
50 Math Sciences Rsch Inst	5,738	0	0	20	0	250	0	0	0	0	5,468	0
Total 1st 50 institutions	1,196,182	907	44	418,718	1,899	23,075	19,682	587,902	0	53,294	83,832	6,829

See explanatory information, if any, and SOURCE at end of table.

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Table B-28. Federal obligations for science and engineering research and development and R&D plant to research institutes, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
51 Boston Biomedical Rsch	5,674	0	0	0	0	0	0	5,674	0	0	0	0
52 Mediantic Health Care Grp	5,669	0	0	0	949	0	0	4,720	0	0	0	0
53 WV Research Corp	5,540	0	0	0	0	2,436	2,807	0	0	0	0	297
54 Oregon Socl Learning Ctr	5,502	0	0	0	0	0	0	5,502	0	0	0	0
55 Oceanic Institute	5,429	5,429	0	0	0	0	0	0	0	0	0	0
56 Pacific Inst Rsch&Eval MD	5,227	0	0	0	0	0	0	5,227	0	0	0	0
57 Natl Ctr Manufactrng Sci	5,180	0	0	5,000	0	130	50	0	0	0	0	0
58 Smith Kittwell Eye Rsch	5,029	0	0	187	900	0	0	3,892	0	50	0	0
59 Human Resources Rsch Org	4,944	0	0	4,944	0	0	0	0	0	0	0	0
60 Natl Opinion Research Ctr	4,855	0	0	0	169	0	0	3,061	0	0	1,625	0
Total 1st 60 institutions	1,249,231	6,336	44	428,849	3,917	25,641	22,539	615,978	0	53,344	85,457	7,126
61 United Nations Assoc USA	4,540	0	0	0	0	0	4,540	0	0	0	0	0
62 Midwest Research Inst	4,451	0	0	128	0	250	88	3,903	0	3	0	79
63 Seattle Biomed Rsch Inst	4,409	0	0	0	0	0	0	4,409	0	0	0	0
64 U City Science Center	4,324	0	0	578	0	3,071	0	675	0	0	0	0
65 Education Development Ctr	3,938	0	0	0	125	0	0	3,082	0	0	731	0
66 Marine Biological Lab	3,927	0	0	60	0	25	0	2,617	0	1,225	0	0
67 Western Research Inst	3,814	0	0	0	0	2,923	0	0	0	0	0	891
68 House Ear Institute	3,748	0	0	2,062	0	0	0	1,686	0	0	0	0
69 Houston Area Research Ctr	3,740	0	0	3,740	0	0	0	0	0	0	0	0
70 Allegheny Singer Rsch	3,700	0	0	0	0	0	0	3,700	0	0	0	0
Total 1st 70 institutions	1,289,822	6,336	44	435,417	4,042	31,910	27,167	636,050	0	54,572	86,188	8,096
71 Edison Weld Inst	3,675	0	0	3,675	0	0	0	0	0	0	0	0
72 Monell Chem Senses Ctr	3,658	0	0	0	0	0	0	3,519	0	0	139	0
73 Marshfield Med Rsch Fdn	3,569	0	0	0	0	0	0	3,569	0	0	0	0
74 Fox Chase Cancer Center	3,532	0	0	3,532	0	0	0	0	0	0	0	0
75 Coriell Inst for Med Rsch	3,485	0	0	0	0	0	0	3,485	0	0	0	0
76 Minneapolis Med Rsch Fdn	3,480	0	0	0	0	0	0	3,480	0	0	0	0
77 Seti Institute	3,397	0	0	0	0	0	0	0	0	3,097	300	0
78 Haskins Laboratories, Inc	3,339	0	0	0	0	0	0	3,339	0	0	0	0
79 Syracuse Research Corp	3,125	0	0	2,947	0	0	178	0	0	0	0	0
80 Tech Education Rsch Ctr	2,957	0	0	0	1,475	0	0	0	0	426	1,056	0
Total 1st 80 institutions	1,324,039	6,336	44	445,571	5,517	31,910	27,345	653,442	0	58,095	87,683	8,096
81 VA Msn Fdn Med Ed & Rsch	2,953	0	0	0	0	0	0	2,953	0	0	0	0
82 Inst for Technology Dev	2,936	0	0	0	0	0	0	0	0	2,936	0	0
83 Hektoen Inst Med Rsch	2,811	0	0	0	0	0	0	2,811	0	0	0	0
84 Inst Global Environment	2,671	0	1,268	0	0	0	0	0	0	1,403	0	0
85 Northeastern Rsch Fdn	2,605	0	0	601	0	0	275	0	0	831	898	0
86 Huntington Med Rsch Insts	2,486	0	0	0	0	0	0	2,486	0	0	0	0
87 Los Amigos Rsch & Ed	2,442	0	0	0	2,442	0	0	0	0	0	0	0
88 E Roosevelt Inst Cancer	2,435	0	0	0	0	40	0	2,395	0	0	0	0
89 Nature Conservancy	2,383	24	1,000	399	0	152	153	0	505	150	0	0
90 Corp Natl Rsch Initiative	2,353	0	0	2,353	0	0	0	0	0	0	0	0
Total 1st 90 institutions	1,350,114	6,360	2,312	448,924	7,959	32,102	27,773	664,087	505	63,415	88,581	8,096
91 Zap Asthma Consortium	2,350	0	0	0	0	0	2,350	0	0	0	0	0
92 Health Research, Inc	2,216	0	0	1,574	0	537	0	0	0	0	105	0
93 MA Health Research Inst	2,196	0	0	0	0	0	0	2,196	0	0	0	0
94 Krell Institute, Inc	2,175	0	0	0	0	2,175	0	0	0	0	0	0
95 Child Hosp Natl Med Ctr	2,092	0	0	87	0	0	0	2,005	0	0	0	0
96 Hauptman-Wdwrd Med Rsch	2,077	0	0	0	0	0	0	1,685	0	192	200	0
97 Southwest Ed Dev Lab	2,063	0	0	0	2,063	0	0	0	0	0	0	0
98 Humn Svc Rsch (Cmbrg MA)	2,040	0	0	0	225	0	0	1,815	0	0	0	0
99 Mayo Foundation	2,022	0	0	1,357	345	0	0	0	0	40	280	0
100 Public Health Fdn Entrprs	2,018	0	0	0	0	0	0	2,018	0	0	0	0
Total 1st 100 institutions	1,371,363	6,360	2,312	451,942	10,592	34,814	30,123	673,806	505	63,647	89,166	8,096

See explanatory information, if any, and SOURCE at end of table.

Table B-28. Federal obligations for science and engineering research and development and R&D plant to research institutes, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
101 Resources for the Future	1,947	0	0	0	0	496	1,279	0	0	121	51	0
102 B Thompson Inst Plant	1,935	386	0	842	0	300	0	179	0	135	93	0
103 Lankenau Med Rsch Center	1,878	0	0	0	0	0	0	1,878	0	0	0	0
104 Lovelace Fdn for Med Ed	1,871	0	0	0	0	0	0	1,871	0	0	0	0
105 Palo Alto Med Rsch Fdn	1,848	0	0	0	0	0	0	1,848	0	0	0	0
106 Manpowr Demo Rsch Corp	1,830	0	0	0	0	0	0	910	0	0	0	920
107 Kuakini Med Rsch Inst	1,766	0	0	0	0	0	0	1,766	0	0	0	0
108 Emergency Care Rsch Inst	1,702	0	0	0	0	0	0	1,702	0	0	0	0
109 Scientific Analysis Corp	1,701	0	0	0	0	0	0	1,701	0	0	0	0
110 Ctr Adv Study Behav Sci	1,700	0	0	0	0	0	0	0	0	0	1,700	0
Total 1st 110 institutions	1,389,541	6,746	2,312	452,784	10,592	35,610	31,402	685,661	505	63,903	91,010	9,016
111 Santa Fe Institute	1,675	0	0	480	0	375	0	0	0	0	820	0
112 Rsch Fdn Mental Hygiene	1,665	34	0	0	0	0	0	1,631	0	0	0	0
113 Riverside Research Inst	1,647	0	0	398	0	0	0	1,249	0	0	0	0
114 Pacific Intl Ctr Hi Tech	1,621	1,621	0	0	0	0	0	0	0	0	0	0
115 Inst for Law & Justice	1,598	0	0	0	0	0	0	0	0	0	0	1,598
116 Woods Hole Research Ctr	1,542	0	0	0	0	0	0	0	0	1,160	382	0
117 Skidaway Inst Oceanog	1,500	0	0	938	0	369	0	0	0	193	0	0
118 Adirondack Biomed Rsch	1,485	0	0	0	0	0	0	1,485	0	0	0	0
119 Appalachia Ed Lab	1,475	0	0	0	1,475	0	0	0	0	0	0	0
120 Far W Labs Ed Rsch & Dev	1,475	0	0	0	1,475	0	0	0	0	0	0	0
Total 1st 120 institutions	1,405,224	8,401	2,312	454,600	13,542	36,354	31,402	690,026	505	65,256	92,212	10,614
121 Mid Continent Reg Ed Lab	1,475	0	0	0	1,475	0	0	0	0	0	0	0
122 Rsch for Better Schools	1,475	0	0	0	1,475	0	0	0	0	0	0	0
123 Natl Biomedical Rsch Fdn	1,395	0	0	0	0	0	0	1,175	0	0	220	0
124 Lowell Observatory	1,386	0	0	0	0	0	0	0	0	1,171	215	0
125 Pacific NW Research Fdn	1,386	0	0	30	0	0	0	1,356	0	0	0	0
126 Rehab Inst of Chicago	1,354	0	0	0	1,354	0	0	0	0	0	0	0
127 Battelle Ctrs Pub Hlth	1,227	0	0	0	0	0	0	1,227	0	0	0	0
128 Inst Regulatory Science	1,220	0	0	0	0	1,220	0	0	0	0	0	0
129 Natl Dvlpmt & Rsch Inst	1,101	0	0	0	0	0	0	1,101	0	0	0	0
130 Ctr Strategic Intl Study	1,078	0	0	1,078	0	0	0	0	0	0	0	0
Total 1st 130 institutions	1,418,321	8,401	2,312	455,708	17,846	37,574	31,402	694,885	505	66,427	92,647	10,614
131 Sun Health Rsch Inst	1,036	0	0	0	0	0	0	1,036	0	0	0	0
132 Earth and Space Research	1,025	0	0	181	0	0	0	0	0	474	370	0
133 Inst Global Env Strategy	995	0	0	0	0	0	0	0	0	0	995	0
134 NJ Marine Science Cnsrtm	988	0	988	0	0	0	0	0	0	0	0	0
135 Carib Marine Rsch Ctr	960	0	960	0	0	0	0	0	0	0	0	0
136 Medical Biology Institute	869	0	0	0	0	0	0	869	0	0	0	0
137 Am Inst Biological Sci	813	0	0	813	0	0	0	0	0	0	0	0
138 Gulf Coast Rsch Lab	793	793	0	0	0	0	0	0	0	0	0	0
139 Rocky Mountain Bio Lab	735	0	0	0	0	0	0	0	0	0	735	0
140 Industrial Tech Institute	725	0	575	150	0	0	0	0	0	0	0	0
Total 1st 140 institutions	1,427,260	9,194	4,835	456,852	17,846	37,574	31,402	696,790	505	66,901	94,747	10,614
141 N E Radio Observatory Ctr	725	0	0	0	0	0	0	0	0	0	725	0
142 Michigan Molecular Inst	662	0	0	662	0	0	0	0	0	0	0	0
143 Childrens Research Inst	640	0	0	0	0	0	0	640	0	0	0	0
144 Masonic Medical Rsch Lab	629	0	0	0	0	0	0	629	0	0	0	0
145 Addiction Research Fdn	620	0	0	0	0	0	0	620	0	0	0	0
146 Calspan U Buffalo Rsch	609	0	0	422	0	0	0	0	0	1	186	0
147 Kennedy Rsch Inst Inc	574	0	0	0	0	0	0	574	0	0	0	0
148 Molecular Research Inst	565	0	0	0	0	0	0	554	0	11	0	0
149 Mount Desert Isld Bio Lab	558	0	0	0	0	0	0	500	0	0	58	0
150 Intl Computer Sci Inst	556	0	0	34	0	0	0	0	0	0	522	0
Total 1st 150 institutions	1,433,398	9,194	4,835	457,970	17,846	37,574	31,402	700,307	505	66,913	96,238	10,614

See explanatory information, if any, and SOURCE at end of table.

Table B-28. Federal obligations for science and engineering research and development and R&D plant to research institutes, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
151 Parkinson Institute	554	0	0	0	0	0	554	0	0	0	0	0
152 S Juan Capstrno Rsch Inst	544	0	0	0	0	0	0	0	0	544	0	0
153 Coneg Policy Rsch Ctr	540	0	0	0	0	540	0	0	0	0	0	0
154 Center Marine Conserv	539	0	0	0	0	0	310	0	0	229	0	0
155 JW Jones Ecological Rsch	534	0	0	0	0	0	534	0	0	0	0	0
156 D Guthrie Fdn Med Rsch	513	0	0	0	0	0	0	513	0	0	0	0
157 Arctic Rsch Cnsrtm of US	505	0	0	0	0	0	0	0	0	0	505	0
158 Southern State Energy	505	0	0	0	0	505	0	0	0	0	0	0
159 Hereditary Dis Fdn	489	0	0	0	0	0	0	489	0	0	0	0
160 Chicago Assn Rsch Ed Sci	482	0	0	482	0	0	0	0	0	0	0	0
Total 1st 160 institutions	1,438,603	9,194	4,835	458,452	17,846	38,619	32,800	701,309	505	67,686	96,743	10,614
161 Autonms Undersea Sys Inst	480	0	0	480	0	0	0	0	0	0	0	0
162 Washington Research Inst	480	0	0	0	480	0	0	0	0	0	0	0
163 Ctr Hlth Policy Rsch	440	0	0	0	0	0	0	440	0	0	0	0
164 Treatment Research Inst	426	0	0	0	0	0	0	426	0	0	0	0
165 Agouron Institute	420	0	0	155	0	0	0	265	0	0	0	0
166 Franklin Inst	400	0	0	400	0	0	0	0	0	0	0	0
167 Einstn Inst Sci Hlth Crts	396	0	0	0	0	396	0	0	0	0	0	0
168 Northern CA Inst Rsch&Ed	373	0	0	219	0	0	0	0	0	154	0	0
169 Potomac Inst Policy Stud	364	0	0	364	0	0	0	0	0	0	0	0
170 HJ Heinz Ctr Sci Econ Env	360	0	0	350	0	0	10	0	0	0	0	0
Total 1st 170 institutions	1,442,742	9,194	4,835	460,420	18,326	39,015	32,810	702,440	505	67,840	96,743	10,614
171 Natl Aviation Rsch Inst	352	0	0	0	0	0	0	0	0	352	0	0
172 Southeastern U Rsch Assc	351	0	0	0	0	0	0	0	0	0	351	0
173 Brookings Institution	341	0	0	0	0	0	0	122	0	0	219	0
174 W Alton Jones Cell Sci	338	0	0	338	0	0	0	0	0	0	0	0
175 Ctr Health Studies	337	0	0	0	0	0	0	337	0	0	0	0
176 Infcts Disease Rsch Inst	335	0	0	0	0	0	0	335	0	0	0	0
177 East-West Center	329	60	0	0	0	120	0	0	0	149	0	0
178 Eugene Research Inst	325	0	0	0	325	0	0	0	0	0	0	0
179 N Pacific Marine Sci Fdn	322	0	322	0	0	0	0	0	0	0	0	0
180 Bay Area Env Rsch Inst	316	0	0	0	0	0	0	0	0	316	0	0
Total 1st 180 institutions	1,446,088	9,254	5,157	460,758	18,651	39,135	32,810	703,234	505	68,657	97,313	10,614
181 Eeg Systems Lab	303	0	0	0	0	0	0	0	0	303	0	0
182 Natl Conf St Legis Leader	302	0	0	0	0	115	187	0	0	0	0	0
183 N W Reg Education Lab	300	0	0	0	300	0	0	0	0	0	0	0
184 Meyers Research Institute	297	0	0	0	0	0	0	297	0	0	0	0
185 Earthquake Eng Rsch Inst	295	0	0	0	0	0	0	0	0	0	295	0
186 Fraunhfr Ctr Rsch Cmp Grp	285	0	0	285	0	0	0	0	0	0	0	0
187 Aspen Center for Physics	283	0	0	0	0	6	0	0	0	23	254	0
188 Transnatl Family Rsch CA	273	0	0	0	0	0	0	273	0	0	0	0
189 Acad of Applied Science	264	0	0	264	0	0	0	0	0	0	0	0
190 Space Physics Rsch Inst	262	0	0	0	0	0	0	0	0	242	20	0
Total 1st 190 institutions	1,448,952	9,254	5,157	461,307	18,951	39,256	32,997	703,804	505	69,225	97,882	10,614
191 Tall Timbers Rsch, Inc	250	0	0	0	0	0	0	0	0	0	250	0
192 Space Studies Institute	232	0	0	0	0	0	0	0	0	232	0	0
193 Southwest Fdn Biomed Rsch	219	0	0	0	0	0	0	0	0	219	0	0
194 Soc Industrial App M	210	0	0	0	0	8	0	0	0	0	202	0
195 Monterey Bay Aquarm Rsch	192	0	0	0	0	0	0	0	0	192	0	0
196 Air Conditioning & Refrig	190	0	0	0	0	190	0	0	0	0	0	0
197 Natural Res Def Cncl	185	0	0	0	0	40	145	0	0	0	0	0
198 Kestrel Institute	177	0	0	0	0	0	0	0	0	177	0	0
199 Natl Public Svc Rsch Inst	175	0	0	0	175	0	0	0	0	0	0	0
200 Unison Institute	160	0	0	0	0	0	160	0	0	0	0	0
Total 1st 200 institutions	1,450,942	9,254	5,157	461,307	19,126	39,494	33,302	703,804	505	70,045	98,334	10,614

See explanatory information, if any, and SOURCE at end of table.

Table B-28. Federal obligations for science and engineering research and development and R&D plant to research institutes, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
201 ME Medical Assessment Fdn	154	0	0	0	0	0	0	154	0	0	0	0
202 Inst Expermntl Psychiatry	149	0	0	0	0	0	0	0	0	149	0	0
203 Inst for Sci Rsch Inc	141	0	0	0	0	0	0	0	0	111	30	0
204 Retina Fdn of the SW	135	0	0	0	0	0	0	135	0	0	0	0
205 Atmosphere Sys & Analysis	129	0	0	0	0	0	0	0	0	129	0	0
206 Ctr Disabilities Rsch&Trg	126	0	0	0	126	0	0	0	0	0	0	0
207 Cerebral Palsy Rsch Fdn	125	0	0	0	125	0	0	0	0	0	0	0
208 Pat Projects	125	0	0	0	0	0	0	0	0	125	0	0
209 Growth Management Inst	122	0	0	0	0	0	122	0	0	0	0	0
210 Mass Mentl Hlth Rsch Corp	121	0	0	0	0	0	0	0	0	121	0	0
Total 1st 210 institutions	1,452,269	9,254	5,157	461,307	19,377	39,494	33,424	704,093	505	70,680	98,364	10,614
211 Stehlin Fnd for Cncr Rsch	115	0	0	0	0	0	0	115	0	0	0	0
212 Hosp Rsch & Ed Trust	113	0	0	0	0	0	0	113	0	0	0	0
213 Assoc Analytical Chemists	100	0	0	0	0	0	0	100	0	0	0	0
214 Flight Safety Foundation	100	0	0	0	0	0	0	0	0	100	0	0
215 Pacific Watershed Inst	100	0	0	0	0	0	100	0	0	0	0	0
216 Torrey Pines Inst Moleclr	98	0	0	0	0	0	0	0	0	0	98	0
217 Am Geological Institute	95	0	0	0	0	0	0	0	0	0	95	0
218 Genetic Info Rsch Inst	81	0	0	0	0	81	0	0	0	0	0	0
219 Helio Research	79	0	0	0	0	0	0	0	0	79	0	0
220 Carnegie Inst Pittsburgh	77	0	0	0	0	0	0	0	0	0	77	0
Total 1st 220 institutions	1,453,227	9,254	5,157	461,307	19,377	39,575	33,524	704,421	505	70,859	98,634	10,614
221 Textile Research Inst	75	0	75	0	0	0	0	0	0	0	0	0
222 Hudson Institute	73	0	0	73	0	0	0	0	0	0	0	0
223 Ctr Hlth Economic Rsch	68	0	0	0	0	0	0	68	0	0	0	0
224 Farmworker Hlth & Sfty	60	0	0	0	0	0	60	0	0	0	0	0
225 E Sierra Inst Clbrtv Ed	53	53	0	0	0	0	0	0	0	0	0	0
226 Astrophysical Rsch Cnsrtm	52	0	0	52	0	0	0	0	0	0	0	0
227 Archbold Biological Stn	50	0	0	0	0	0	0	0	0	0	50	0
228 Ctr Cultrl Tech Interchng	50	0	0	0	0	0	0	0	0	0	50	0
229 Economic Policy Institute	50	0	0	0	0	0	0	0	0	0	0	50
230 Natl Inst Statistical Sci	50	0	0	0	0	0	50	0	0	0	0	0
Total 1st 230 institutions	1,453,808	9,307	5,232	461,432	19,377	39,575	33,634	704,489	505	70,859	98,734	10,664
231 Systems for Envir Mgt	47	47	0	0	0	0	0	0	0	0	0	0
232 Sugar Process Rsch Inst	40	40	0	0	0	0	0	0	0	0	0	0
233 Am Inst Aeronautic Astro	37	0	0	0	0	0	0	0	0	37	0	0
234 Ctr American Archeology	30	0	0	0	0	0	0	0	0	0	30	0
235 Combustion Institute	26	0	0	26	0	0	0	0	0	0	0	0
236 Freshwater Institute	25	25	0	0	0	0	0	0	0	0	0	0
237 Joint Ctrs Justice Stud	25	0	0	0	0	0	0	0	0	0	0	25
238 National Water Rsch Inst	22	0	0	0	0	0	0	0	22	0	0	0
239 Soc Developmental Bio	20	0	0	0	0	0	0	0	0	0	20	0
240 Spectra Research Inst	14	0	0	14	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-28. Federal obligations for science and engineering research and development and R&D plant to research institutes, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
241 Am Inst Rsch Pittsburgh	11	0	0	0	0	0	0	11	0	0	0	0
242 Bitterroot Basic Research	11	0	0	0	0	0	0	0	0	11	0	0
243 Ctr Hlth Policy Studies	10	0	0	0	0	0	0	10	0	0	0	0
244 Rancho Santa Ana Bot Gdns	10	0	0	0	0	0	0	0	0	0	10	0
245 Siam Inst Math & Society	10	0	0	10	0	0	0	0	0	0	0	0
246 Enrgy Rsch Clearing House	8	0	0	0	0	0	0	0	8	0	0	0
247 East Bay Inst Rsch & Ed	7	0	0	0	0	0	0	0	0	0	7	0
248 Applied Technology Cncl	5	0	0	0	0	0	0	0	5	0	0	0
249 Michigan Public Hlth Inst	5	0	0	0	0	0	0	5	0	0	0	0
250 New Engl Inst Landscape	2	2	0	0	0	0	0	0	0	0	0	0
251 Intl Food Policy Rsch Inst	1	1	0	0	0	0	0	0	0	0	0	0
Total 1st 251 institutions	1,454,174	9,422	5,232	461,482	19,377	39,575	33,634	704,515	540	70,907	98,801	10,689

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
Int = Department of the Interior
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-29. Federal obligations for science and engineering research and development and R&D plant to voluntary hospitals, ranked by total amount received. by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
Total, all institutions	848,516	368	1,049	46,333	7,530	3,557	60	785,234	0	3,038	1,347	0
1 MA General Hospital	147,025	0	0	11,687	0	400	0	134,155	0	180	603	0
2 Brigham and Womens Hosp	131,720	0	0	3,077	0	0	25	126,899	0	1,495	224	0
3 Beth Israel Deac Med Ctr	65,234	0	0	1,434	0	829	0	62,628	0	343	0	0
4 Dana-Farber Cancer Inst	63,288	0	0	1,611	0	0	0	61,554	0	0	123	0
5 Child Hosp (Boston, MA)	46,529	0	0	3,630	550	0	0	42,349	0	0	0	0
6 Child Hosp Phila	33,133	0	0	0	0	0	0	33,133	0	0	0	0
7 Rush Presbyterian St Luke	30,148	0	0	1,733	0	0	0	28,415	0	0	0	0
8 Cleveland Clinic Fdn	29,625	0	0	2,684	0	0	0	26,742	0	194	5	0
9 Child Hosp Med Ctr Cincin	28,379	0	0	0	0	179	0	28,200	0	0	0	0
10 St Jude Child Rsch Hosp	26,730	0	0	0	0	0	0	26,730	0	0	0	0
Total 1st 10 institutions	601,811	0	0	25,856	550	1,408	25	570,805	0	2,212	955	0
11 New Eng Med Ctr & Hosp	24,755	0	0	0	0	0	0	24,755	0	0	0	0
12 Boston Medical Center	19,099	0	0	0	378	0	0	18,721	0	0	0	0
13 McLean Hospital	12,875	0	0	1,074	0	0	0	11,801	0	0	0	0
14 Providence Med Ctr Prtlnd	11,904	0	0	10,667	0	75	0	1,162	0	0	0	0
15 J Hopkins Bayview Med Ctr	11,889	0	0	0	0	0	0	11,889	0	0	0	0
16 Montefiore Hosp & Med Ctr	11,278	0	0	0	0	0	0	11,278	0	0	0	0
17 Cedars Sinai Med Ctr	10,617	0	0	0	0	0	0	10,588	0	29	0	0
18 Child Hosp Los Angeles	10,244	0	0	26	0	0	0	10,218	0	0	0	0
19 Rhode Island Hospital	8,419	0	0	0	0	0	0	8,247	0	0	172	0
20 Magee Womens Hosp	8,157	0	0	0	0	0	0	8,157	0	0	0	0
Total 1st 20 institutions	731,048	0	0	37,623	928	1,483	25	687,621	0	2,241	1,127	0
21 MA Eye & Ear Infirmary	7,496	0	0	0	0	0	0	7,496	0	0	0	0
22 North Shore U Hospital	7,136	0	0	84	0	0	0	7,052	0	0	0	0
23 Am Cancer Rsch Ctr & Hosp	6,831	0	0	0	0	0	0	6,831	0	0	0	0
24 Miriam Hospital	5,242	0	0	0	0	0	0	5,125	0	117	0	0
25 Kettering Medical Center	5,166	0	0	4,900	0	0	0	266	0	0	0	0
26 Child Hosp Pittsburgh	5,006	0	0	0	0	0	0	5,006	0	0	0	0
27 Long Island Jew Hillside	4,959	0	0	0	0	0	0	4,959	0	0	0	0
28 Child Hosp Columbus	3,432	190	0	0	0	0	0	3,092	0	150	0	0
29 Child Hosp Med Ctr Seat	3,392	0	0	0	0	0	0	3,392	0	0	0	0
30 St Eliz Hosp Boston MA	3,061	0	0	0	0	0	0	3,061	0	0	0	0
Total 1st 30 institutions	782,769	190	0	42,607	928	1,483	25	733,901	0	2,508	1,127	0
31 Hosp for Special Surgery	2,912	0	0	0	0	0	0	2,912	0	0	0	0
32 Beth Israel Medical Ctr	2,801	0	0	0	0	0	0	2,801	0	0	0	0
33 Memorial Hosp Pawtucket	2,745	0	0	0	0	0	0	2,745	0	0	0	0
34 St Josephs Hosp & Med Ctr	2,728	0	0	0	0	0	0	2,725	0	0	3	0
35 Child Hosp&Med Ctr N CA	2,668	0	0	0	0	0	0	2,668	0	0	0	0
36 Child Hosp & Health Ctr	2,665	0	0	0	0	0	0	2,665	0	0	0	0
37 Hosp Joint Disease Ortho	2,565	0	0	0	0	0	0	2,479	0	0	86	0
38 Hebrew Rehab Center	2,446	0	0	0	0	0	0	2,446	0	0	0	0
39 Mt Sinai Hosp New York	2,072	0	0	2,072	0	0	0	0	0	0	0	0
40 Inst Rehab & Rsch	2,032	0	0	0	2,032	0	0	0	0	0	0	0
Total 1st 40 institutions	808,403	190	0	44,679	2,960	1,483	25	755,342	0	2,508	1,216	0
41 St Francis Med Ctr	2,004	0	0	0	0	0	0	2,004	0	0	0	0
42 Englewood Hospital	1,925	0	0	0	0	1,925	0	0	0	0	0	0
43 Maine Medical Center	1,857	0	0	0	0	0	0	1,857	0	0	0	0
44 Evanston Hospital	1,835	0	0	0	0	0	0	1,835	0	0	0	0
45 Women & Infants Hosp	1,692	0	0	0	0	0	0	1,692	0	0	0	0
46 Mt Sinai Hosp Med Ctr FL	1,527	0	0	0	0	0	0	1,527	0	0	0	0
47 Butler Hospital	1,287	0	0	0	0	0	0	1,287	0	0	0	0
48 Moss Rehabilitation Hosp	1,169	0	0	0	345	0	0	824	0	0	0	0
49 William Beaumont Hospital	1,148	0	0	0	0	0	0	1,148	0	0	0	0
50 St Lukes Roosevlt Hosp C	1,120	0	0	0	0	0	0	1,120	0	0	0	0
Total 1st 50 institutions	823,967	190	0	44,679	3,305	3,408	25	768,636	0	2,508	1,216	0

See explanatory information, if any, and SOURCE at end of table.

Table B-29. Federal obligations for science and engineering research and development and R&D plant to voluntary hospitals, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
51 Good Sam Hosp & Med	1,039	0	0	0	0	0	0	735	0	304	0	0
52 Henry Ford Hospital	929	0	0	929	0	0	0	0	0	0	0	0
53 Swedish Hospital Med Ctr	871	0	0	0	0	0	0	871	0	0	0	0
54 Craig Hospital	843	0	0	0	843	0	0	0	0	0	0	0
55 Roger Williams Gen Hosp	827	0	0	0	0	0	0	827	0	0	0	0
56 St Francis Hosp & Med Ctr	795	0	0	0	0	0	0	795	0	0	0	0
57 Butterworth Hospital	767	0	0	0	0	0	0	767	0	0	0	0
58 City of Hope Medical Ctr	725	0	0	725	0	0	0	0	0	0	0	0
59 Santa Clara Valley Med	718	0	0	0	718	0	0	0	0	0	0	0
60 Kessler Inst for Rehab	717	0	0	0	717	0	0	0	0	0	0	0
Total 1st 60 institutions	832,198	190	0	46,333	5,583	3,408	25	772,631	0	2,812	1,216	0
61 Barnes-Jewish Hospital	694	0	0	0	0	0	0	613	0	0	81	0
62 St Francis Hosp (Wcht KS)	684	0	0	0	0	0	0	684	0	0	0	0
63 Good Samaritan Med Ctr	683	0	0	0	0	0	0	683	0	0	0	0
64 Rehabilitation Inst MI	622	0	0	0	622	0	0	0	0	0	0	0
65 Regional Med Ctr Lubec,ME	600	0	600	0	0	0	0	0	0	0	0	0
66 Childrens Mercy Hosp	548	0	0	0	0	0	0	548	0	0	0	0
67 Mercy Hosp of Pittsburgh	498	0	0	0	0	0	0	498	0	0	0	0
68 Shepard Spinal Center	495	0	0	0	495	0	0	0	0	0	0	0
69 MI Mthdst Hosp Rehab Ctr	485	0	0	0	485	0	0	0	0	0	0	0
70 Medical Center Delaware	472	0	0	0	0	0	0	472	0	0	0	0
Total 1st 70 institutions	837,979	190	600	46,333	7,185	3,408	25	776,129	0	2,812	1,297	0
71 Scott and White Mem Hosp	466	0	0	0	0	0	0	466	0	0	0	0
72 Hays Medical Center	449	0	449	0	0	0	0	0	0	0	0	0
73 Hartford Hospital	445	0	0	0	0	0	0	445	0	0	0	0
74 Lankenau Hospital	430	0	0	0	0	0	0	430	0	0	0	0
75 Philadelphia Geriatrc Ctr	420	0	0	0	0	0	0	420	0	0	0	0
76 St Vincent Mercy Med Ctr	400	0	0	0	0	0	0	400	0	0	0	0
77 Hackensack Hospital	394	0	0	0	0	0	0	394	0	0	0	0
78 St Josephs Hosp (Atln GA)	385	0	0	0	0	0	0	385	0	0	0	0
79 St Francis Medical Ctr	372	0	0	0	0	0	0	372	0	0	0	0
80 Emanuel Hospital	366	0	0	0	0	0	0	366	0	0	0	0
Total 1st 80 institutions	842,106	190	1,049	46,333	7,185	3,408	25	779,807	0	2,812	1,297	0
81 Bapt Med Ctr (KS Cty MO)	363	0	0	0	0	0	0	363	0	0	0	0
82 Geisinger Medical Center	355	178	0	0	0	0	0	177	0	0	0	0
83 Sinai Samaritan Med Ctr	349	0	0	0	0	0	0	231	0	118	0	0
84 Spaulding Rehab Hosp Corp	345	0	0	0	345	0	0	0	0	0	0	0
85 Latter Day Saints Hosp	333	0	0	0	0	0	0	333	0	0	0	0
86 St Marys Hosp (Gd Jct CO)	330	0	0	0	0	149	0	181	0	0	0	0
87 Summa Health System	323	0	0	0	0	0	0	323	0	0	0	0
88 Graduate Hospital	317	0	0	0	0	0	0	317	0	0	0	0
89 Winthrop U Hospital	284	0	0	0	0	0	0	284	0	0	0	0
90 Burke Rehabilitation Ctr	258	0	0	0	0	0	0	258	0	0	0	0
Total 1st 90 institutions	845,363	368	1,049	46,333	7,530	3,557	25	782,274	0	2,930	1,297	0
91 Mary Imogene Basset Hosp	250	0	0	0	0	0	0	250	0	0	0	0
92 Sinai Hospital Baltimore	230	0	0	0	0	0	0	230	0	0	0	0
93 St Johns Mercy Med Ctr	225	0	0	0	0	0	0	225	0	0	0	0
94 Maimonides Medical Center	220	0	0	0	0	0	0	220	0	0	0	0
95 Inter Faith Medical Ctr	211	0	0	0	0	0	0	211	0	0	0	0
96 Methdst Med Ctr-Peoria IL	205	0	0	0	0	0	0	205	0	0	0	0
97 Queens Medical Center	173	0	0	0	0	0	0	173	0	0	0	0
98 Am Hospital Asociation	170	0	0	0	0	0	0	170	0	0	0	0
99 Touro Research Institute	164	0	0	0	0	0	0	164	0	0	0	0
100 Wills Eye Hospital	163	0	0	0	0	0	0	163	0	0	0	0
Total 1st 100 institutions	847,374	368	1,049	46,333	7,530	3,557	25	784,285	0	2,930	1,297	0

See explanatory information, if any, and SOURCE at end of table.

Table B-29. Federal obligations for science and engineering research and development and R&D plant to voluntary hospitals, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
101 Ingalls Mem Hospital	159	0	0	0	0	0	0	159	0	0	0	0
102 MT Hosp Rsch & Ed Fdn	141	0	0	0	0	0	0	141	0	0	0	0
103 Albert Einstein Med Ctr	134	0	0	0	0	0	0	134	0	0	0	0
104 Mt Sinai Hosp Cleveland	108	0	0	0	0	0	0	108	0	0	0	0
105 Newark Beth Israel Hosp	81	0	0	0	0	0	0	81	0	0	0	0
106 Child Memorial Hospital	71	0	0	0	0	0	0	71	0	0	0	0
107 University Hosp (Agst GA)	67	0	0	0	0	0	0	67	0	0	0	0
108 NY Soc Relf Ruptrd&Cripld	58	0	0	0	0	0	0	0	0	58	0	0
109 Carolinas Medical Ctr	50	0	0	0	0	0	0	0	0	50	0	0
110 Intr-Indstry Ec Rsch Fund	50	0	0	0	0	0	0	50	0	0	0	0
Total 1st 110 institutions	848,293	368	1,049	46,333	7,530	3,557	25	785,096	0	3,038	1,297	0
111 Presbyterian U Hospital	50	0	0	0	0	0	0	0	0	0	50	0
112 Children's Seashore House	46	0	0	0	0	0	0	46	0	0	0	0
113 CT Children's Medical Ctr	37	0	0	0	0	0	0	37	0	0	0	0
114 Yakima Vly Frmwrkrs Clnc	35	0	0	0	0	0	35	0	0	0	0	0
115 Sinai Hospital Detroit	34	0	0	0	0	0	0	34	0	0	0	0
116 Bayfront Health Sys, Inc	21	0	0	0	0	0	0	21	0	0	0	0
Total 1st 116 institutions	848,516	368	1,049	46,333	7,530	3,557	60	785,234	0	3,038	1,347	0

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

KEY:
USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
Int = Department of the Interior
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
Total, all institutions	658,381	5,270	9,259	37,231	17,991	33,687	129,241	139,205	1,920	220,033	46,344	18,200
1 Assc U Rsch in Astronomy	70,043	0	0	70	0	0	0	0	0	69,973	0	0
2 Universities Space Rsch	64,348	0	0	200	0	0	0	0	0	63,897	251	0
3 Natl Academy of Sciences	49,889	33	40	13,730	2,200	3,685	795	4,915	919	6,183	10,510	6,879
4 World Resources Institute	31,744	0	0	0	0	0	31,744	0	0	0	0	0
5 American Tech Initiative	30,465	0	0	0	0	0	0	0	0	30,465	0	0
6 Natl Jewish Med Rsch Ctr	22,939	0	0	323	0	0	781	21,835	0	0	0	0
7 Joslin Diabetes Fdn Inc	17,273	0	0	2,689	0	0	0	14,584	0	0	0	0
8 Concurrent Tech Corp	11,315	0	0	8,750	0	0	2,565	0	0	0	0	0
9 Am Assc Retired Persons	11,267	0	0	0	0	0	11,067	200	0	0	0	0
10 Inc Rsch Insts Seismology	11,177	0	0	0	0	0	0	0	0	0	11,177	0
Total 1st 10 institutions	320,460	33	40	25,762	2,200	3,685	46,952	41,534	919	170,518	21,938	6,879
11 CA Assoc Rsch Astronomy	11,017	0	0	0	0	0	0	0	0	11,017	0	0
12 Natl Caucus Ctr Black Age	10,186	0	0	0	0	0	10,186	0	0	0	0	0
13 Jay David Gladstone Fdn	9,642	0	0	0	0	0	0	9,642	0	0	0	0
14 N E Regional Cancer Inst	9,628	0	0	0	0	9,628	0	0	0	0	0	0
15 Am Museum of Natl Hist	9,388	0	0	0	0	98	0	0	0	8,183	1,107	0
16 Carnegie Inst Washington	8,065	210	0	128	0	650	0	2,570	0	1,676	2,835	0
17 Natl Assoc Hispanic Eldly	7,288	0	0	0	0	0	7,288	0	0	0	0	0
18 Am Col of Radiology	7,164	0	0	0	0	0	0	7,164	0	0	0	0
19 Natl Asian Pac Ctr Aging	6,405	0	0	0	0	0	6,145	260	0	0	0	0
20 Minority Hlth Prof Fdn	6,031	0	0	0	0	0	0	6,031	0	0	0	0
Total 1st 20 institutions	405,278	243	40	25,890	2,200	14,061	70,571	67,201	919	191,394	25,880	6,879
21 Population Council	5,540	0	0	0	0	0	0	5,500	0	0	40	0
22 Electric Power Research	5,317	0	0	2,935	0	2,202	0	0	0	0	0	180
23 Natl Sr Ctzns Ed & Rsch	5,313	0	0	0	0	0	5,313	0	0	0	0	0
24 Wildlife Habitat Council	5,122	0	0	0	0	0	5,122	0	0	0	0	0
25 Am Type Culture Col	4,988	0	0	0	0	0	40	4,085	0	0	863	0
26 Natl Council on Aging	4,440	0	0	0	0	0	4,315	125	0	0	0	0
27 Global Env Tech Fdn	3,907	0	0	0	0	3,907	0	0	0	0	0	0
28 American Iron Steel Inst	3,834	0	0	320	0	3,514	0	0	0	0	0	0
29 Melwood Hort Training Ctr	3,759	0	0	0	0	0	0	0	0	3,759	0	0
30 Harbor Branch Ocean Inst	3,655	0	59	884	0	0	0	464	0	0	2,248	0
Total 1st 30 institutions	451,153	243	99	30,029	2,200	23,684	85,361	77,375	919	195,153	29,031	7,059
31 Blood Ctr of Southeast Wi	3,350	0	0	0	0	0	0	3,350	0	0	0	0
32 Water Env Rsch Fdn	3,270	0	0	0	0	0	3,270	0	0	0	0	0
33 Emma Pendleton Bradley	2,774	0	0	0	0	0	0	2,774	0	0	0	0
34 AK Chlgr Space Sci Tech	2,500	0	0	0	0	0	0	0	0	2,500	0	0
35 Michigan Biotech Inst	2,500	0	0	0	0	0	2,500	0	0	0	0	0
36 SC Research Authority	2,479	0	0	100	0	714	0	0	0	0	525	1,140
37 Natl Ctr Genome Resources	2,362	0	0	0	0	2,362	0	0	0	0	0	0
38 NY Botan Gard Inst Ecosys	2,249	32	0	0	0	0	0	0	0	309	1,908	0
39 Assc American Railroads	2,181	0	0	0	0	0	0	0	0	0	0	2,181
40 US Cvln R&D Fdn Indep Sts	2,160	0	0	0	0	0	0	0	0	0	2,160	0
Total 1st 40 institutions	476,978	275	99	30,129	2,200	26,760	91,131	83,499	919	197,962	33,624	10,380
41 United Cerebral Palsy	2,070	0	0	0	1,920	0	0	0	0	150	0	0
42 M Lelnd Natl Air Txc Rsch	1,950	0	0	0	0	0	1,950	0	0	0	0	0
43 Field Museum Natural Hist	1,947	0	0	0	0	0	0	0	0	367	1,580	0
44 Intl City Mgt Assc	1,873	0	0	0	0	0	1,873	0	0	0	0	0
45 Acad Natural Sci Phila	1,818	0	0	0	0	0	569	0	0	82	1,167	0
46 Hispanic Assc Col & U	1,818	818	0	0	0	0	0	0	0	1,000	0	0
47 University Rsch Fdn	1,805	0	0	0	0	0	0	0	0	1,805	0	0
48 Acad Ed Development Inc	1,800	0	0	0	1,600	0	200	0	0	0	0	0
49 John B Pierce Lab, Inc	1,719	0	0	0	0	0	0	1,719	0	0	0	0
50 Am Assc Advancment Sci	1,704	69	0	0	0	0	705	0	0	264	666	0
Total 1st 50 institutions	495,482	1,162	99	30,129	5,720	26,760	96,428	85,218	919	201,630	37,037	10,380

See explanatory information, if any, and SOURCE at end of table.

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Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
51 Am Soc Engineering Ed	1,700	0	0	1,380	0	235	0	0	0	40	45	0
52 Chestnut Health Systems	1,585	0	0	0	0	0	0	1,585	0	0	0	0
53 Fdrtn Fam Child Mntl Hlth	1,580	0	0	0	0	0	0	1,580	0	0	0	0
54 Manne Science Cnsrtm	1,541	0	1,541	0	0	0	0	0	0	0	0	0
55 Natl Safety Council	1,538	0	0	0	0	0	1,538	0	0	0	0	0
56 Siouxland Heritage Mus	1,500	0	0	0	0	0	0	0	0	1,500	0	0
57 Natl Marrow Donor Program	1,499	0	0	1,499	0	0	0	0	0	0	0	0
58 Ctr Tech Commercializatn	1,496	0	0	0	0	0	0	0	0	1,496	0	0
59 NC Rgn Educational Lab	1,475	0	0	0	1,475	0	0	0	0	0	0	0
60 Pacific Region Ed Lab	1,475	0	0	0	1,475	0	0	0	0	0	0	0
Total 1st 60 institutions	510,871	1,162	1,640	33,008	8,670	26,995	97,966	88,383	919	204,666	37,082	10,380
61 WGBH Educational Fdn	1,475	0	0	0	1,475	0	0	0	0	0	0	0
62 Calstart, Inc	1,461	0	0	0	0	0	0	0	0	0	0	1,461
63 World Inst Disabil Rsch	1,411	0	0	0	1,411	0	0	0	0	0	0	0
64 Partnership Env Tech Ed	1,375	0	0	0	0	0	1,375	0	0	0	0	0
65 Am Dental Assc for Hlth	1,341	0	0	0	0	0	0	1,341	0	0	0	0
66 Natl Ctr Appropriate Tech	1,300	1,300	0	0	0	0	0	0	0	0	0	0
67 Am Wtr Wrks Assn Rsch Fdn	1,299	0	0	0	0	0	1,155	0	144	0	0	0
68 Doheny Eye Institute	1,292	0	0	0	0	0	0	1,292	0	0	0	0
69 Natl Assc of Counties	1,252	0	0	0	0	0	1,252	0	0	0	0	0
70 Water Env Federation	1,244	0	0	0	0	0	1,244	0	0	0	0	0
Total 1st 70 institutions	524,321	2,462	1,640	33,008	11,556	26,995	102,992	91,016	1,063	204,666	37,082	11,841
71 National Governors Assc	1,226	0	0	0	0	30	1,076	0	0	0	0	120
72 NY Botanical Garden NY	1,199	0	0	0	0	0	0	0	0	0	1,199	0
73 Mercy Foundation	1,193	0	0	0	0	0	0	1,193	0	0	0	0
74 Am Acad of Pediatrics	1,140	0	0	0	0	0	35	1,105	0	0	0	0
75 Tides Foundation, The	1,136	0	0	0	0	0	636	500	0	0	0	0
76 Natl Action Cncl Min Eng	1,134	0	0	0	0	0	0	0	0	1,134	0	0
77 Bernice P Bishop Museum	1,127	0	0	0	0	0	0	0	17	1,000	110	0
78 NE-Midwest Inst	1,073	0	0	0	0	490	583	0	0	0	0	0
79 Natl Acad Public Admin	1,071	0	0	0	0	0	0	0	0	571	0	500
80 Hawaii Sugar Planters	1,044	936	0	0	0	0	0	0	0	0	108	0
Total 1st 80 institutions	535,664	3,398	1,640	33,008	11,556	27,515	105,322	93,814	1,080	207,371	38,499	12,461
81 Community Connections	1,039	0	0	0	0	0	0	1,039	0	0	0	0
82 Public School Forum of NC	1,034	0	0	0	0	0	1,034	0	0	0	0	0
83 Lexington Center, Inc	1,030	0	0	0	1,030	0	0	0	0	0	0	0
84 Natl Sci Teachers Assc	1,028	0	0	0	0	0	0	0	0	1,028	0	0
85 Environmental Law Inst	1,018	0	0	0	0	0	1,018	0	0	0	0	0
86 Consumer Research Council	1,013	0	0	0	0	0	1,013	0	0	0	0	0
87 Advertising Council	1,002	0	0	0	0	0	1,002	0	0	0	0	0
88 AIDS Healthcare Fdn	1,000	0	0	0	0	0	0	1,000	0	0	0	0
89 Discovery Science Center	1,000	0	0	0	0	0	0	0	0	1,000	0	0
90 Missouri Botanical Garden	971	0	0	0	0	0	0	0	0	0	971	0
Total 1st 90 institutions	545,799	3,398	1,640	33,008	12,586	27,515	109,389	95,853	1,080	209,399	39,470	12,461
91 Natl Assc Home Builders	958	0	42	0	0	0	88	0	0	0	0	828
92 American Geophysicl Union	949	0	0	0	0	0	0	0	0	316	633	0
93 Children's Institute Intl	900	0	0	0	0	0	0	900	0	0	0	0
94 St Terr Air Pltn Prgm Adm	888	0	0	0	0	0	888	0	0	0	0	0
95 Western Cnsrtm Public Hlth	884	0	0	0	0	0	0	884	0	0	0	0
96 Arapahoe House, Inc	879	0	0	0	0	0	0	879	0	0	0	0
97 Inst Social Analysis Assc	867	0	0	0	0	0	0	867	0	0	0	0
98 JASON Fdn for Education	850	0	0	700	0	0	0	0	0	150	0	0
99 VA's Ctr Innovative Tech	800	0	0	0	0	0	0	0	0	800	0	0
100 Natl Ctr Res Innovations	798	798	0	0	0	0	0	0	0	0	0	0
Total 1st 100 institutions	554,572	4,196	1,682	33,708	12,586	27,515	110,365	99,383	1,080	210,665	40,103	13,289

See explanatory information, if any, and SOURCE at end of table.

Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
101 Natl Assc Agencies Aging	790	0	0	0	0	0	0	790	0	0	0	0
102 Puget Sound Blood Center	785	0	0	0	0	0	0	785	0	0	0	0
103 Conf Radiatn Cntrl Drctrs	782	0	0	0	0	0	0	782	0	0	0	0
104 Marine Environ Sci Cnsrtm	782	0	0	0	0	0	0	0	0	0	782	0
105 Rural Cmty Assistant Prgm	749	0	0	0	0	0	749	0	0	0	0	0
106 Well-Being Institute, Inc	746	0	0	0	0	0	0	746	0	0	0	0
107 1000 Friends of Oregon	706	0	0	0	0	0	706	0	0	0	0	0
108 Societal Inst of Math Sci	705	0	0	0	0	0	0	705	0	0	0	0
109 Asian Am Recovery Svs	690	0	0	0	0	0	0	690	0	0	0	0
110 Local Env Initiatives	676	0	0	0	0	0	676	0	0	0	0	0
Total 1st 110 institutions	561,983	4,196	1,682	33,708	12,586	27,515	112,496	103,881	1,080	210,665	40,885	13,289
111 Alton Ochsner Med Fdn	672	0	0	0	0	0	0	672	0	0	0	0
112 ME Sci & Tech Fdn	664	0	0	0	0	0	0	0	0	256	408	0
113 Child Development, Inc	637	0	0	0	0	0	0	637	0	0	0	0
114 Through the Looking Glass	637	0	0	0	637	0	0	0	0	0	0	0
115 Womens Treatment Ctr	637	0	0	0	0	0	0	637	0	0	0	0
116 Pac Inst Stud Dev Env Sec	632	0	0	0	0	0	632	0	0	0	0	0
117 Natl Cncl Crime & Delnqcy	627	0	0	0	0	0	0	0	0	0	0	627
118 American Farmland Trust	625	0	0	0	0	0	625	0	0	0	0	0
119 CO Ctr Environmental Mgmt	625	0	0	0	0	625	0	0	0	0	0	0
120 Matrix Research Institute	623	0	0	0	623	0	0	0	0	0	0	0
Total 1st 120 institutions	568,362	4,196	1,682	33,708	13,846	28,140	113,753	105,827	1,080	210,921	41,293	13,916
121 Am Indian Sci & Eng Soc	620	0	0	0	0	0	620	0	0	0	0	0
122 Natl Cncl Juv Fam Crt Jdg	611	0	0	0	0	0	0	0	0	0	0	611
123 Natl Hemophilia Fdn	610	0	0	0	0	0	0	610	0	0	0	0
124 AZ-MX Border Health Fdn	600	0	0	0	0	0	0	600	0	0	0	0
125 Apld Info Mgmt (AIM) Inst	600	0	600	0	0	0	0	0	0	0	0	0
126 Easter Seal Soc Dsbld	600	0	0	0	600	0	0	0	0	0	0	0
127 Natl Inst Environmtl Rnwl	600	0	0	0	0	600	0	0	0	0	0	0
128 Operation Par, Inc	600	0	0	0	0	0	0	600	0	0	0	0
129 Renewable Enrgy Cncl	600	0	0	0	0	600	0	0	0	0	0	0
130 Inst Sustainable Cmnts	597	0	0	0	0	0	597	0	0	0	0	0
Total 1st 130 institutions	574,400	4,196	2,282	33,708	14,446	29,340	114,970	107,637	1,080	210,921	41,293	14,527
131 Space Science Institute	596	0	0	0	0	0	0	0	0	596	0	0
132 Natl Alliance Mentally Ill	595	0	0	0	0	0	0	595	0	0	0	0
133 Ctr for Clean Air Policy	587	0	0	0	0	200	387	0	0	0	0	0
134 Women Work! Natl Ntwk	585	0	0	0	0	0	0	0	0	0	0	585
135 Transcen, Inc	578	0	0	0	578	0	0	0	0	0	0	0
136 Harvard Pilgrim Hlth Care	576	0	0	0	0	0	0	576	0	0	0	0
137 Gordon Rsch Conferences	565	76	0	48	0	12	0	0	0	94	335	0
138 Reuse Dev Organization	550	0	0	0	0	0	550	0	0	0	0	0
139 American Lung Assoc	542	0	0	0	0	0	542	0	0	0	0	0
140 Project Return Foundation	542	0	0	0	0	0	0	542	0	0	0	0
Total 1st 140 institutions	580,116	4,272	2,282	33,756	15,024	29,552	116,449	109,350	1,080	211,611	41,628	15,112
141 SE Ctr Elec Eng Ed	537	0	0	537	0	0	0	0	0	0	0	0
142 Rio Grande Valley Cncl	535	0	0	0	0	0	0	535	0	0	0	0
143 Inst for Responsible Mgt	534	0	0	0	0	0	534	0	0	0	0	0
144 Enterprise Dvlpmt Inc	533	0	0	0	0	0	0	0	0	533	0	0
145 W MA Training Cnsrtm	533	0	0	0	0	0	0	533	0	0	0	0
146 SC Research Inst	532	0	0	0	0	0	0	532	0	0	0	0
147 Tri-County Human Svc, Inc	532	0	0	0	0	0	0	532	0	0	0	0
148 Bionomics International	530	0	0	0	0	0	530	0	0	0	0	0
149 Am National Red Cross	528	0	0	528	0	0	0	0	0	0	0	0
150 Knoxville-Oak Rdg Reg Ntw	525	0	525	0	0	0	0	0	0	0	0	0
Total 1st 150 institutions	585,435	4,272	2,807	34,821	15,024	29,552	117,513	111,482	1,080	212,144	41,628	15,112

See explanatory information, if any, and SOURCE at end of table.

Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Corn	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
151 Natl Tribal Env Council	523	0	0	0	0	0	523	0	0	0	0	0
152 Prototypes	523	0	0	0	0	0	0	523	0	0	0	0
153 ETR Associates, Inc	521	0	0	0	0	0	0	521	0	0	0	0
154 Cncl Great Lakes Governor	520	0	0	0	0	520	0	0	0	0	0	0
155 Cltn Addctn Prgncy&Prtng	514	0	0	0	0	0	0	514	0	0	0	0
156 Peer Center, Inc	509	0	0	0	0	0	0	509	0	0	0	0
157 Rule of Law Foundation	506	0	0	0	0	0	0	0	0	0	0	506
158 Family Plng Cncl SE PA	504	0	0	0	0	0	0	504	0	0	0	0
159 Focus Hope	503	0	0	503	0	0	0	0	0	0	0	0
160 Am Mathematical Society	501	0	0	10	0	0	0	0	0	0	491	0
Total 1st 160 institutions	590,559	4,272	2,807	35,334	15,024	30,072	118,036	114,053	1,080	212,144	42,119	15,618
161 Fdn for Transplant Rsch	500	0	0	0	0	0	0	0	0	500	0	0
162 Gtr Wash Ed Telecom Assns	500	0	0	0	500	0	0	0	0	0	0	0
163 High Scope Ed Rsch Fdn	500	0	0	0	0	0	0	500	0	0	0	0
164 Intl Space University	500	0	0	0	0	0	0	0	0	500	0	0
165 Mtn Assn Cmty Econ Dev	500	0	500	0	0	0	0	0	0	0	0	0
166 Qualty Ed for Minor Netwk	500	0	0	0	0	0	0	0	0	500	0	0
167 Rehabilitation Exposure	500	0	0	0	0	0	0	500	0	0	0	0
168 WV Mntl Hlth Consumers As	500	0	0	0	0	0	0	500	0	0	0	0
169 East Bay Perinatal Cncl	498	0	0	0	0	0	0	498	0	0	0	0
170 Western Identificatn Ntwk	498	0	498	0	0	0	0	0	0	0	0	0
Total 1st 170 institutions	595,555	4,272	3,805	35,334	15,524	30,072	118,036	116,051	1,080	213,644	42,119	15,618
171 Intl Technology Ed Assoc	496	0	0	0	0	0	0	0	0	496	0	0
172 Cnsrtm Energy Efficiency	480	0	0	0	0	30	450	0	0	0	0	0
173 US Space Foundation	480	0	0	0	0	0	0	0	0	480	0	0
174 IN Youth Services Assn	475	0	475	0	0	0	0	0	0	0	0	0
175 Natl Radiatn Protect Meas	474	0	0	50	0	0	286	0	0	138	0	0
176 Cmty Prevention Partner	468	0	0	0	0	0	0	468	0	0	0	0
177 SEATC Fdn Env Ed	463	0	0	0	0	0	463	0	0	0	0	0
178 Insights Teen Parents Prg	460	0	0	0	0	0	0	460	0	0	0	0
179 Am Soc Civil Engineers	459	0	0	0	0	0	449	0	0	0	0	10
180 New Mexico Resonance	455	0	0	0	0	277	0	0	0	178	0	0
Total 1st 180 institutions	600,265	4,272	4,280	35,384	15,524	30,379	119,684	116,979	1,080	214,936	42,119	15,628
181 Cntr for Youth and Family	454	0	0	0	0	0	0	454	0	0	0	0
182 Asian Assn of Utah	450	0	0	0	0	0	0	450	0	0	0	0
183 Environmentl Defense Fund	450	0	0	0	0	0	450	0	0	0	0	0
184 Family and Childrens Svcs	450	0	0	0	0	0	0	450	0	0	0	0
185 Green Mt Inst Env Demcrcy	450	0	0	0	0	0	450	0	0	0	0	0
186 NE Enrgy Effncy Parnershp	450	0	0	0	0	0	450	0	0	0	0	0
187 Natl Indian Youth Leader	450	0	0	0	0	0	0	450	0	0	0	0
188 Youth in Need	450	0	0	0	0	0	0	450	0	0	0	0
189 Public Health Institute	443	0	0	0	0	0	0	443	0	0	0	0
190 Rural Cltn/Cltn Rural	439	0	439	0	0	0	0	0	0	0	0	0
Total 1st 190 institutions	604,751	4,272	4,719	35,384	15,524	30,379	121,034	119,676	1,080	214,936	42,119	15,628
191 Am Assoc St Hwy&Trns Offc	436	0	0	0	0	0	0	0	0	0	0	436
192 Inst of Gas Technology	427	0	0	0	0	427	0	0	0	0	0	0
193 Pathways to Housing, Inc	426	0	0	0	0	0	0	426	0	0	0	0
194 Cncl of State Governments	425	0	0	0	0	0	425	0	0	0	0	0
195 Self Enhancement, Inc	423	0	0	0	0	0	0	423	0	0	0	0
196 Civil Eng Research Fdn	421	0	267	0	0	0	0	0	0	0	154	0
197 New England Aquarium Corp	421	0	296	125	0	0	0	0	0	0	0	0
198 Chld Fdn of Mid-America	415	0	415	0	0	0	0	0	0	0	0	0
199 Phila Hlth Mgmt Corp	409	0	0	0	0	0	0	409	0	0	0	0
200 Codac Behavioral Hlth Svc	408	0	0	0	0	0	0	408	0	0	0	0
Total 1st 200 institutions	608,962	4,272	5,697	35,509	15,524	30,806	121,459	121,342	1,080	214,936	42,273	16,064

See explanatory information, if any, and SOURCE at end of table.

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Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
201 Student Asst Svc Fdn	405	0	0	0	0	0	0	405	0	0	0	0
202 Aliviane, Inc	400	0	0	0	0	0	0	400	0	0	0	0
203 Cmty Trans Assc of Am	400	0	0	0	0	0	0	400	0	0	0	0
204 J Kennedy Inst Hsng Corp	400	0	0	0	400	0	0	0	0	0	0	0
205 Natl Empowerment Cntr	400	0	0	0	0	0	0	400	0	0	0	0
206 People to People Hlth Fdn	400	0	0	0	0	0	0	400	0	0	0	0
207 SE Cnstrm Minorities Eng	400	0	0	0	0	0	0	0	0	400	0	0
208 Shields for Families Proj	400	0	0	0	0	0	0	400	0	0	0	0
209 So CA Alcohol and Drug	400	0	0	0	0	0	0	400	0	0	0	0
210 Challngr Ctr Space Sci Ed	396	0	0	0	0	0	0	0	0	396	0	0
Total 1st 210 institutions	612,963	4,272	5,697	35,509	15,924	30,806	121,459	124,147	1,080	215,732	42,273	16,064
211 BSR Education Fund	394	0	0	0	0	0	394	0	0	0	0	0
212 AMONG Amer Partnership	392	0	0	0	0	0	0	392	0	0	0	0
213 Family Service Agcy, Inc	392	0	0	0	0	0	0	392	0	0	0	0
214 Village South, Inc	389	0	0	0	0	0	0	389	0	0	0	0
215 Recording for the Blind	385	0	385	0	0	0	0	0	0	0	0	0
216 Boley Ctrs Behavrl Hlth	377	0	0	0	0	0	0	377	0	0	0	0
217 Biol Sci Curriculm Study	375	0	0	0	0	375	0	0	0	0	0	0
218 VT Council on the Arts	375	0	375	0	0	0	0	0	0	0	0	0
219 Am Psychiatric Assn	366	0	0	0	0	0	0	366	0	0	0	0
220 Natl Acad St Hlth Policy	362	0	0	0	0	0	0	362	0	0	0	0
Total 1st 220 institutions	616,770	4,272	6,457	35,509	15,924	31,181	121,853	126,425	1,080	215,732	42,273	16,064
221 WHRO	358	0	0	0	0	0	0	0	0	358	0	0
222 American Chemical Society	357	1	0	0	0	271	77	0	0	0	8	0
223 Triangle Coaltn Sci&Tech	356	0	0	0	0	80	0	0	0	276	0	0
224 US Conf Mayors Rsch & Ed	350	0	0	0	0	0	0	0	0	0	0	350
225 Natl Alliance St Sci Math	348	0	0	0	0	0	0	0	0	348	0	0
226 Chinatown Act for Progres	335	0	0	0	0	0	0	335	0	0	0	0
227 Jones Center for Families	330	0	330	0	0	0	0	0	0	0	0	0
228 Chesapeake Rsch Cnsrtm	328	0	0	0	0	0	0	0	0	0	328	0
229 Friends Rsch Inst, Inc	328	0	0	0	0	0	0	328	0	0	0	0
230 In-Care Network, Inc	327	0	0	0	0	0	0	327	0	0	0	0
Total 1st 230 institutions	620,187	4,273	6,787	35,509	15,924	31,532	121,930	127,415	1,080	216,714	42,609	16,414
231 Life Science Rsch Fdn	324	0	0	0	0	324	0	0	0	0	0	0
232 Natl Cncl Negro Wmn (DC)	323	0	0	0	0	0	273	0	0	0	0	50
233 CA Academy of Sciences	322	0	0	0	0	0	0	0	0	0	322	0
234 Urban Indian Hlth Board	314	0	0	0	0	0	0	314	0	0	0	0
235 U Assoc Rsch & Ed Pathol	309	0	0	0	0	0	0	309	0	0	0	0
236 Air & Waste Mgt Assc	300	0	0	0	0	0	300	0	0	0	0	0
237 Appalachian Ctr Econ Ntwk	300	0	300	0	0	0	0	0	0	0	0	0
238 Critical Illness&Trauma	300	0	300	0	0	0	0	0	0	0	0	0
239 Natl Ctr Adv Technologies	299	0	0	299	0	0	0	0	0	0	0	0
240 East Bay Comm Recoverey	297	0	0	0	0	0	0	297	0	0	0	0
Total 1st 240 institutions	623,275	4,273	7,387	35,808	15,924	31,856	122,503	128,335	1,080	216,714	42,931	16,464
241 Fairbanks Native Assn	292	0	0	0	0	0	0	292	0	0	0	0
242 First Nat Comm Hlth Svc	290	0	0	0	0	0	0	290	0	0	0	0
243 Am Soc Cell Biology	287	0	0	285	0	0	0	0	0	0	2	0
244 Am Meteorological Soc	284	0	55	0	0	0	0	0	0	153	76	0
245 White Bison, Inc	283	0	0	0	0	0	0	283	0	0	0	0
246 Am Soc Microbiology	280	0	0	0	0	250	0	0	0	0	30	0
247 Assoc Water Pltn Control	275	0	0	0	0	0	275	0	0	0	0	0
248 Intst Shellfish Sanitatio	275	0	0	0	0	0	0	275	0	0	0	0
249 Natl Youth Employmnt Cltn	275	0	0	0	0	0	0	0	0	0	0	275
250 Sci Comm Oceanic Rsch	275	0	0	0	0	0	0	0	0	50	225	0
Total 1st 250 institutions	626,091	4,273	7,442	36,093	15,924	32,106	122,778	129,475	1,080	216,917	43,264	16,739

See explanatory information, if any, and SOURCE at end of table.

Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
251 Assoc St Drinking Wtr Adm	272	0	0	0	0	0	272	0	0	0	0	0
252 Houston Advanced Rsch	270	0	0	120	0	50	50	0	0	50	0	0
253 Iowa Oncology Rsch Assc	269	0	0	0	0	0	0	269	0	0	0	0
254 Ctr for Neighborhood Tech	261	0	0	0	0	0	261	0	0	0	0	0
255 Dosecc, Inc	261	0	0	0	0	0	0	0	0	0	261	0
256 Climate Institute	260	0	0	0	0	60	200	0	0	0	0	0
257 Self Reliance Foundation	260	0	0	0	0	220	40	0	0	0	0	0
258 Natl Conf State Bldg Code	257	0	257	0	0	0	0	0	0	0	0	0
259 California Resources Agcy	256	0	0	0	0	0	0	0	0	256	0	0
260 Ecological Soc of America	256	30	0	0	0	0	157	0	20	49	0	0
Total 1st 260 institutions	628,713	4,303	7,699	36,213	15,924	32,436	123,758	129,744	1,100	217,272	43,525	16,739
261 Biores Dvlpmnt&Consrv Pgm	252	0	0	252	0	0	0	0	0	0	0	0
262 Baltimore Urban League	250	0	0	0	0	250	0	0	0	0	0	0
263 Juvenile Protection Assoc	250	0	0	0	0	0	0	250	0	0	0	0
264 Natl Assc St Units Aging	250	0	0	0	0	0	0	250	0	0	0	0
265 Natl Ctzn Citn Nrsg Hm Rf	250	0	0	0	0	0	0	250	0	0	0	0
266 Florida Rural Legal Svcs	245	0	245	0	0	0	0	0	0	0	0	0
267 Museum of New Mexico	244	0	244	0	0	0	0	0	0	0	0	0
268 US Export Cncl Renew Engy	240	0	0	0	0	240	0	0	0	0	0	0
269 CA Assn of Alcohol and Dr	238	0	0	0	0	0	0	238	0	0	0	0
270 Openlands Project	238	238	0	0	0	0	0	0	0	0	0	0
Total 1st 270 institutions	631,170	4,541	8,188	36,465	15,924	32,926	123,758	130,732	1,100	217,272	43,525	16,739
271 Wildlife Conservation Soc	236	30	0	0	0	0	0	0	206	0	0	0
272 VT Telecom Applicatn Ctr	235	0	235	0	0	0	0	0	0	0	0	0
273 Assoc Hlth Services Rsch	227	0	0	0	0	0	0	227	0	0	0	0
274 Cncl on Social Work Ed	225	0	0	0	0	0	0	225	0	0	0	0
275 Assn of Amer Med Colleges	222	0	0	0	0	0	0	222	0	0	0	0
276 Aerospace States Assn	220	0	0	0	0	0	0	0	0	220	0	0
277 Assn Biodiversity Info	214	0	0	0	0	0	159	0	55	0	0	0
278 Crozer-Keystone Hlth Sys	214	0	214	0	0	0	0	0	0	0	0	0
279 M-Power, Inc	210	0	0	0	0	0	0	210	0	0	0	0
280 Sixtnth St Cmty Hlth Ctr	210	0	0	0	0	0	210	0	0	0	0	0
Total 1st 280 institutions	633,383	4,571	8,637	36,465	15,924	32,926	124,127	131,616	1,361	217,492	43,525	16,739
281 Cncl Chief St Schl Offcrs	209	0	0	0	0	0	0	0	0	0	209	0
282 Dallas Helps	205	0	0	0	0	0	0	205	0	0	0	0
283 WV High Tech Cnsrtm	202	0	0	0	0	100	0	0	0	102	0	0
284 Pima Prevention Partnersh	201	0	0	0	0	0	0	201	0	0	0	0
285 CA Chld Care Res Rfr Ntwk	200	0	0	0	0	0	0	200	0	0	0	0
286 Fr Flanagan's Boys Home	200	0	0	0	0	0	0	200	0	0	0	0
287 Inst Rsch & Tech Asstnc	200	0	0	0	0	0	200	0	0	0	0	0
288 Natl Assn State Brds Ed	200	0	0	0	200	0	0	0	0	0	0	0
289 Natl Trust Hist Prsrvtn	200	0	0	0	0	0	0	0	0	0	0	200
290 Surface Trans Plcy Prjct	200	0	0	0	0	0	200	0	0	0	0	0
Total 1st 290 institutions	635,400	4,571	8,637	36,465	16,124	33,026	124,527	132,422	1,361	217,594	43,734	16,939
291 Wider Opportunities Women	200	0	0	0	0	0	0	0	0	0	0	200
292 Am Soc Mechanical Eng	199	0	0	0	0	199	0	0	0	0	0	0
293 Cast, Inc	199	0	0	0	199	0	0	0	0	0	0	0
294 Natl Captioning Institute	198	0	0	0	198	0	0	0	0	0	0	0
295 Art, Rsch&Curriculum Assn	196	0	0	0	196	0	0	0	0	0	0	0
296 Natl Assoc Local Govt Env	191	0	0	0	0	0	180	0	0	0	0	11
297 Ctr Advcy Rghts Intst Eld	188	0	0	0	0	0	0	188	0	0	0	0
298 Oregon Museum Sci Indstry	188	0	0	0	0	0	0	188	0	0	0	0
299 Winnebago Svc Area Hlth	187	0	0	0	0	0	0	187	0	0	0	0
300 Concord-Assabet Fam&Adol	180	0	0	0	180	0	0	0	0	0	0	0
Total 1st 300 institutions	637,326	4,571	8,637	36,465	16,897	33,225	124,707	132,985	1,361	217,594	43,734	17,150

See explanatory information, if any, and SOURCE at end of table.

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Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
301 W Wilson Intl Ctr Scholar	180	0	180	0	0	0	0	0	0	0	0	0
302 Intl Inst Energy Csrvtn	175	0	0	0	0	0	175	0	0	0	0	0
303 Soc Occupational Env Hlth	175	0	0	0	0	0	175	0	0	0	0	0
304 Windstar Foundation	175	0	0	0	0	0	0	0	0	175	0	0
305 North Am Lake Mgt Soc	172	0	0	0	0	0	172	0	0	0	0	0
306 Castine Research Corp	171	0	0	0	0	0	0	0	0	0	0	171
307 Natl Ctr for State Courts	170	0	0	0	0	0	0	0	0	0	0	170
308 American Inst Physics	167	0	0	0	0	0	0	0	0	0	167	0
309 Committee for Auto Repair	165	0	0	0	0	0	165	0	0	0	0	0
310 American Bird Observatory	163	0	0	0	0	0	163	0	0	0	0	0
Total 1st 310 institutions	639,039	4,571	8,817	36,465	16,897	33,225	125,557	132,985	1,361	217,769	43,901	17,491
311 Conservation Intl Fdn	163	0	0	0	0	0	0	0	0	163	0	0
312 Am Educational Rsch Assc	161	0	0	0	0	0	0	0	0	0	161	0
313 Vera Inst of Justice, Inc	160	0	0	0	0	0	0	0	0	0	0	160
314 Soc Applied Anthropology	158	0	0	0	0	0	158	0	0	0	0	0
315 Solid Waste Assoc of N Am	153	0	0	0	0	0	153	0	0	0	0	0
316 Chicago Acad of Sci	152	1	0	0	0	0	0	0	0	151	0	0
317 Guadenzia Foundation	151	0	0	0	0	0	0	151	0	0	0	0
318 Cambridge Med Care Fdn	150	0	150	0	0	0	0	0	0	0	0	0
319 Capacity for Justice, Inc	150	0	0	0	0	0	0	150	0	0	0	0
320 Cntr for Common Concerns	150	0	0	0	0	0	0	150	0	0	0	0
Total 1st 320 institutions	640,587	4,572	8,967	36,465	16,897	33,225	125,868	133,436	1,361	218,083	44,062	17,651
321 Fdn for Ed Achievement	150	0	0	0	150	0	0	0	0	0	0	0
322 Jefferson Cntr Mntl Hlth	150	0	0	0	0	0	0	150	0	0	0	0
323 Natl Assoc Phys Env	150	0	0	0	0	0	150	0	0	0	0	0
324 Pension Rights Center	150	0	0	0	0	0	0	150	0	0	0	0
325 Student Conservatn Assoc	150	0	0	52	0	0	0	0	98	0	0	0
326 W Wilson Natl Fellowship	150	0	0	0	0	0	0	0	0	150	0	0
327 WICHE	150	0	0	0	0	0	0	150	0	0	0	0
328 Fam Svc Assn of Tampa	149	0	0	0	0	0	0	149	0	0	0	0
329 JF Kennedy Med Ctr Fdn	149	0	0	0	149	0	0	0	0	0	0	0
330 Cncl for Retarded Citizen	148	0	0	0	148	0	0	0	0	0	0	0
Total 1st 330 institutions	642,083	4,572	8,967	36,517	17,344	33,225	126,018	134,035	1,459	218,233	44,062	17,651
331 Corp for Supportive House	148	0	0	0	0	0	0	148	0	0	0	0
332 Hlth Initiatives for Yo	148	0	0	0	0	0	0	148	0	0	0	0
333 Latino Family Svc, Inc	147	0	0	0	0	0	0	147	0	0	0	0
334 Natl Assn St Dir Spcl Ed	147	0	0	0	147	0	0	0	0	0	0	0
335 Central City Concern	146	0	0	0	0	0	0	146	0	0	0	0
336 Am Cncl Enrgy-Effcnt Econ	144	0	0	0	0	37	107	0	0	0	0	0
337 Educom, Inc	144	0	0	0	0	0	0	0	0	0	144	0
338 Am Fisheries Society	141	0	0	0	0	0	117	0	24	0	0	0
339 Lesbian and Gay Comm Svc	141	0	0	0	0	0	0	141	0	0	0	0
340 Natl Assc Conservation	140	0	0	0	0	0	140	0	0	0	0	0
Total 1st 340 institutions	643,529	4,572	8,967	36,517	17,491	33,262	126,382	134,765	1,483	218,233	44,206	17,651
341 Presbyterian Medical Svc	138	0	0	0	0	0	0	138	0	0	0	0
342 Oficina Legal del Pueblo	136	0	0	0	0	0	0	136	0	0	0	0
343 Hzrdous Mat Trg Rsch Inst	135	0	0	0	0	0	135	0	0	0	0	0
344 Junior Eng Technical Soc	135	0	0	135	0	0	0	0	0	0	0	0
345 Mortgage Bankers Assc	134	0	0	0	0	0	0	0	0	0	0	134
346 Cache Corporation	133	0	0	0	0	0	0	0	0	0	133	0
347 Ctr for Intl Env Law	130	0	0	0	0	0	130	0	0	0	0	0
348 Natl Indian Cncl Aging	130	0	0	0	0	0	0	130	0	0	0	0
349 Cltn WI Aging Groups Inc	127	0	0	0	0	0	0	127	0	0	0	0
350 Am Speech Lang&Hearng	125	0	0	0	125	0	0	0	0	0	0	0
Total 1st 350 institutions	644,852	4,572	8,967	36,652	17,616	33,262	126,647	135,296	1,483	218,233	44,339	17,785

See explanatory information, if any, and SOURCE at end of table.

Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
351 Ctr Social Gerontology	125	0	0	0	0	0	0	125	0	0	0	0
352 Inst Study Learning Exper	125	0	0	120	0	0	0	0	0	0	5	0
353 Intl Braille Research Ctr	125	0	0	0	125	0	0	0	0	0	0	0
354 Jewish Emplymnt&Vctnl Svc	125	0	0	0	125	0	0	0	0	0	0	0
355 Natl Env Hlth Associate	125	0	0	0	0	0	125	0	0	0	0	0
356 Natl Sr Citizen Law Ctr	125	0	0	0	0	0	0	125	0	0	0	0
357 VT Ctr Independent Living	125	0	0	0	125	0	0	0	0	0	0	0
358 Yellowstone Ecosys Stud	125	0	0	0	0	0	0	0	0	125	0	0
359 Inst Elec & Electron Eng	124	0	0	42	0	0	0	0	0	13	69	0
360 Am Acad of Arts & Sci	123	0	0	0	0	0	0	0	0	0	123	0
Total 1st 360 institutions	646,099	4,572	8,967	36,814	17,991	33,262	126,772	135,546	1,483	218,371	44,536	17,785
361 Soc Advancement Chicanos	122	0	0	0	0	0	0	0	0	122	0	0
362 Am Statistical Assc	120	16	0	0	0	0	0	0	0	0	104	0
363 American Bar Association	120	0	0	0	0	0	0	120	0	0	0	0
364 Assoc State Wetland Mgrs	120	0	0	0	0	0	120	0	0	0	0	0
365 Local Gvrnmnt Cmsn of CA	120	0	0	0	0	0	120	0	0	0	0	0
366 NC MHCO	120	0	0	0	0	0	0	120	0	0	0	0
367 North AL Science Center	120	0	0	0	0	0	0	0	0	120	0	0
368 Am Soc Testing Materials	119	0	0	0	0	0	119	0	0	0	0	0
369 Senior Env Corps Inst	119	0	0	0	0	0	119	0	0	0	0	0
370 Mntl Hlth Consumers of AL	115	0	0	0	0	0	0	115	0	0	0	0
Total 1st 370 institutions	647,294	4,588	8,967	36,814	17,991	33,262	127,250	135,901	1,483	218,613	44,640	17,785
371 S MS Legal Svcs Corp	115	0	0	0	0	0	0	115	0	0	0	0
372 Intertribal GIS Council	114	0	114	0	0	0	0	0	0	0	0	0
373 Southeast TN Legal Svcs	110	0	0	0	0	0	0	110	0	0	0	0
374 Substance Abuse and Addic	109	0	0	0	0	0	0	109	0	0	0	0
375 Watershed Rsch&Trng Ctr	107	107	0	0	0	0	0	0	0	0	0	0
376 Assc Am Geographers	105	0	0	0	0	0	0	0	0	0	105	0
377 Fed Am Soc Exper Biol	105	20	0	0	0	0	0	0	0	0	85	0
378 Am Cncl Learned Societies	104	0	0	0	0	0	0	0	0	0	104	0
379 Latino Behavioral Hlth In	103	0	0	0	0	0	0	103	0	0	0	0
380 Options for Southern OR	102	0	0	0	0	0	0	102	0	0	0	0
Total 1st 380 institutions	648,368	4,715	9,081	36,814	17,991	33,262	127,250	136,440	1,483	218,613	44,934	17,785
381 Hlth Enhancement Rsch Org	101	0	0	0	0	0	0	0	0	101	0	0
382 Access to Justice Fdn	100	0	0	0	0	0	0	100	0	0	0	0
383 Atlanta Legal Aid Society	100	0	0	0	0	0	0	100	0	0	0	0
384 Bicycle Federation of Am	100	0	0	0	0	0	100	0	0	0	0	0
385 Inst Local Self Reliance	100	0	0	0	0	0	100	0	0	0	0	0
386 Intl Coop Env Leadership	100	0	0	0	0	0	100	0	0	0	0	0
387 Inwood House	100	0	0	0	0	0	0	100	0	0	0	0
388 Jobs and Env Campaign Inc	100	0	0	0	0	0	100	0	0	0	0	0
389 Pittsburgh Film Makers	100	0	0	0	0	0	0	0	0	100	0	0
390 Public/Private Ventures	100	0	0	0	0	0	0	100	0	0	0	0
Total 1st 390 institutions	649,369	4,715	9,081	36,814	17,991	33,262	127,650	136,840	1,483	218,814	44,934	17,785
391 Unicorn Projects	100	0	0	0	0	0	0	0	0	100	0	0
392 International Science Fdn	99	0	0	74	0	0	0	0	0	0	25	0
393 Legal Svcs Corp of Iowa	99	0	0	0	0	0	0	99	0	0	0	0
394 National Technical Assn	99	0	0	0	0	0	0	0	0	99	0	0
395 Santa Barb Mus Natr Hist	98	0	0	0	0	0	0	0	0	0	98	0
396 Groundwater Fdn, The	97	0	0	0	0	0	87	0	10	0	0	0
397 Northwest Justice Project	97	0	0	0	0	0	0	97	0	0	0	0
398 Assc Computing Machinery	96	0	0	0	0	0	0	0	0	0	96	0
399 Farm Foundation	95	95	0	0	0	0	0	0	0	0	0	0
400 Fdn Independent Highr Ed	95	0	0	0	0	0	0	0	0	0	95	0
Total 1st 400 institutions	650,344	4,810	9,081	36,888	17,991	33,262	127,737	137,036	1,493	219,013	45,248	17,785

See explanatory information, if any, and SOURCE at end of table.

Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
401 Optical Soc of America	93	0	0	75	0	0	0	0	0	5	13	0
402 Am Solar Energy Society	90	0	0	0	0	90	0	0	0	0	0	0
403 Justice Rsch & Stat Assoc	90	0	0	0	0	0	0	0	0	0	0	90
404 New Mexico Mesa Inc	90	0	0	0	0	0	0	0	0	90	0	0
405 Am Astronomical Society	87	0	0	0	0	0	0	0	0	87	0	0
406 Solar Enrgy Rsch & Ed Fdn	84	0	0	0	0	0	84	0	0	0	0	0
407 CSO Partnership, The	83	0	0	0	0	0	83	0	0	0	0	0
408 Ctr Rsch Innovation & Soc	83	0	0	0	0	0	0	0	0	0	83	0
409 Natl Trpcl Botanical Grdn	83	15	0	0	0	0	0	0	0	0	68	0
410 Pub Responsblty Med&Rsch	82	0	0	0	0	82	0	0	0	0	0	0
Total 1st 410 institutions	651,209	4,825	9,081	36,963	17,991	33,434	127,904	137,036	1,493	219,195	45,412	17,875
411 Hebrew Home of Grtr Wash	81	0	0	0	0	0	0	81	0	0	0	0
412 Am Assc of Engineers	80	0	0	0	0	0	0	0	0	0	80	0
413 Inst for Bird Populations	80	0	0	0	0	0	0	0	80	0	0	0
414 National Geographic Soc	80	0	0	0	0	0	0	0	0	80	0	0
415 Natl Consumer Law Inc	80	0	0	0	0	0	0	80	0	0	0	0
416 World Wildlife Fund US	80	0	0	0	0	0	0	0	0	80	0	0
417 Ctr Adv Hispanics Sci Eng	79	0	0	0	0	0	0	0	0	79	0	0
418 Metro Chicago Info Ctr	78	78	0	0	0	0	0	0	0	0	0	0
419 Southcentral Foundation	78	0	0	0	0	0	0	78	0	0	0	0
420 CA U Rsch Earthquake Eng	76	0	0	0	0	0	0	0	0	0	76	0
Total 1st 420 institutions	652,001	4,903	9,081	36,963	17,991	33,434	127,904	137,275	1,573	219,434	45,568	17,875
421 CA Advocates Nrsg Hm Ref	75	0	0	0	0	0	0	75	0	0	0	0
422 Groundwater Prtctn Cncl	75	0	0	0	0	0	75	0	0	0	0	0
423 Intl Womens Democracy Ctr	75	0	0	0	0	0	0	0	0	0	0	75
424 Legal Services for NYC	75	0	0	0	0	0	0	75	0	0	0	0
425 Recycling Cltn of Texas	75	0	0	0	0	0	75	0	0	0	0	0
426 Comm Counsel Cntr Las Veg	74	0	0	0	0	0	0	74	0	0	0	0
427 Soundvision Productions	73	0	0	0	0	73	0	0	0	0	0	0
428 VT Energy Investment Corp	73	0	0	0	0	73	0	0	0	0	0	0
429 Harlem Hospital Center	70	0	0	0	0	0	0	70	0	0	0	0
430 Natl Hispanic Cncl Aging	70	0	0	0	0	0	0	70	0	0	0	0
Total 1st 430 institutions	652,736	4,903	9,081	36,963	17,991	33,580	128,054	137,639	1,573	219,434	45,568	17,950
431 Pacific Basin Dev Council	69	0	69	0	0	0	0	0	0	0	0	0
432 Botanical Garden Fdn, Inc	68	68	0	0	0	0	0	0	0	0	0	0
433 Ohio Agricultural R&D Ctr	68	68	0	0	0	0	0	0	0	0	0	0
434 Natl Recycling Cltn	66	0	0	0	0	0	66	0	0	0	0	0
435 Platte Rvr Whooping Crane	66	0	0	0	0	0	0	0	66	0	0	0
436 Marine Env Ed Fdn, Inc	65	0	0	0	0	0	65	0	0	0	0	0
437 Midtown Educational Fdn	65	0	0	0	0	0	0	0	0	65	0	0
438 Easter Seal Soc of Oregon	63	0	0	0	0	0	0	63	0	0	0	0
439 Metropolitan Family Svcs	62	0	0	0	0	0	0	62	0	0	0	0
440 Assoc Asian Pac Cmty Hlth	61	0	0	0	0	0	61	0	0	0	0	0
Total 1st 440 institutions	653,389	5,039	9,150	36,963	17,991	33,580	128,246	137,764	1,639	219,499	45,568	17,950
441 Elder Law of MI, Inc	61	0	0	0	0	0	0	61	0	0	0	0
442 Louis Jeffrsn Cnties Cmty	61	0	0	0	0	0	0	61	0	0	0	0
443 Sen Citizens Grtr Dallas	61	0	0	0	0	0	0	61	0	0	0	0
444 Visiting Nurse Assn of DE	61	0	0	0	0	0	0	61	0	0	0	0
445 Adopt-A-Watershed	60	0	0	0	0	0	60	0	0	0	0	0
446 Am Assc Cmty & Jr Col	60	0	0	0	0	0	0	0	0	0	0	60
447 Am Physical Society	60	0	0	0	0	0	0	0	0	0	60	0
448 American Economic Assc	60	0	0	0	0	0	0	0	0	0	60	0
449 Bluegrass Regional MH-MR	60	0	0	0	0	0	0	60	0	0	0	0
450 CA Network of Mntl Hlth	60	0	0	0	0	0	0	60	0	0	0	0
Total 1st 450 institutions	653,993	5,039	9,150	36,963	17,991	33,580	128,306	138,128	1,639	219,499	45,688	18,010

See explanatory information, if any, and SOURCE at end of table.

Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
451 Center for Resource Mgt	60	0	0	0	0	0	60	0	0	0	0	0
452 Conference Board Math Sci	60	0	0	0	0	0	0	0	0	0	60	0
453 Consumer Advocacy Comm	60	0	0	0	0	0	0	60	0	0	0	0
454 Gulf Coast Cmty Care	60	0	0	0	0	0	0	60	0	0	0	0
455 MO Mental Hlth Consumer	60	0	0	0	0	0	0	60	0	0	0	0
456 MO Valley Health Span	60	0	0	0	0	0	0	60	0	0	0	0
457 Materials Research Soc	60	0	0	43	0	0	0	0	0	0	17	0
458 Mntl Hlth Assn NY State	60	0	0	0	0	0	0	60	0	0	0	0
459 NE Advocacy Services	60	0	0	0	0	0	0	60	0	0	0	0
460 On Our Own of MD, Inc	60	0	0	0	0	0	0	60	0	0	0	0
Total 1st 460 institutions	654,593	5,039	9,150	37,006	17,991	33,580	128,366	138,548	1,639	219,499	45,765	18,010
461 Pacer Center	60	0	0	0	0	0	0	60	0	0	0	0
462 Pmts Help Pmts San Fran	60	0	0	0	0	0	0	60	0	0	0	0
463 TN Mntl Hlth Consum Assn	60	0	0	0	0	0	0	60	0	0	0	0
464 TX Mntl Hlth Consumers	60	0	0	0	0	0	0	60	0	0	0	0
465 VT Psychiatric Survivors	60	0	0	0	0	0	0	60	0	0	0	0
466 Alaska Federation Natives	59	0	0	0	0	0	0	0	0	0	59	0
467 CT Legal Rights Project	56	0	0	0	0	0	0	56	0	0	0	0
468 Human Relations Area File	56	0	0	0	0	0	0	0	0	0	56	0
469 Hydrolic Research Ctr	56	0	0	0	0	0	0	0	0	56	0	0
470 American Oceans Campaign	55	0	0	0	0	0	55	0	0	0	0	0
Total 1st 470 institutions	655,175	5,039	9,150	37,006	17,991	33,580	128,421	138,904	1,639	219,555	45,880	18,010
471 Compuquest, Inc	55	0	0	0	0	0	0	0	0	55	0	0
472 Am Assc Immunologists	54	0	0	0	0	0	0	54	0	0	0	0
473 KISS Inst Practical Rbtcs	54	0	0	0	0	0	0	0	0	54	0	0
474 Minnesota Senior Fedrtn	53	0	0	0	0	0	0	53	0	0	0	0
475 Rad Tech Comm Aerontcs	53	0	0	0	0	0	0	0	0	53	0	0
476 Am Acad of Forensic Sci	51	0	0	0	0	0	0	0	0	0	0	51
477 Barrow Arctic Sci Cnsrtm	51	0	0	0	0	0	0	0	0	0	51	0
478 Aspen Institute	50	0	0	0	0	0	50	0	0	0	0	0
479 Assoc Svc & Cnsrvtn Corps	50	0	0	0	0	0	50	0	0	0	0	0
480 Env Allnc Senior Invlvmnt	50	0	0	0	0	0	50	0	0	0	0	0
Total 1st 480 institutions	655,696	5,039	9,150	37,006	17,991	33,580	128,571	139,011	1,639	219,717	45,931	18,061
481 Inst Cnsvtn Leadership	50	0	0	0	0	0	50	0	0	0	0	0
482 Natl Cnfc Black Mayor	50	0	0	0	0	0	50	0	0	0	0	0
483 Natl Patient Safety Fdn	50	0	0	0	0	0	0	50	0	0	0	0
484 Natl Speleological Soc	50	0	0	0	0	0	0	0	50	0	0	0
485 OM Association, Inc	50	0	0	0	0	0	,0	0	0	50	0	0
486 Water Education Fdn	50	0	0	0	0	0	50	0	0	0	0	0
487 Assc Rsch Vision Ophthal	49	0	0	0	0	0	0	49	0	0	0	0
488 L A City Mus Natr Hist	49	0	0	0	0	0	0	0	0	0	49	0
489 Real Estate Ed Assn	49	0	0	0	0	0	49	0	0	0	0	0
490 Assoc State & Terr Hlth	48	0	0	0	0	0	48	0	0	0	0	0
Total 1st 490 institutions	656,191	5,039	9,150	37,006	17,991	33,580	128,818	139,110	1,689	219,767	45,980	18,061
491 Med Care Development, Inc	48	0	0	0	0	0	0	48	0	0	0	0
492 Valley Zoological Society	48	0	48	0	0	0	0	0	0	0	0	0
493 New Engl Biomed&Res Assn	47	0	0	0	0	0	47	0	0	0	0	0
494 N Am Assoc Environ Ed	46	0	0	0	0	0	46	0	0	0	0	0
495 Hist of Science Society	45	0	0	0	0	0	0	0	0	0	45	0
496 Urban Land Institute	45	0	0	0	0	0	45	0	0	0	0	0
497 Victim Services, Inc	45	0	0	0	0	0	0	0	0	0	0	45
498 Assoc Unmand Vehicle Sys	40	0	0	40	0	0	0	0	0	0	0	0
499 Inst Explrtn Sea Rsch Fdn	40	0	0	40	0	0	0	0	0	0	0	0
500 Malpai Borderlands Group	40	40	0	0	0	0	0	0	0	0	0	0
Total 1st 500 institutions	656,635	5,079	9,198	37,086	17,991	33,580	128,956	139,158	1,689	219,767	46,025	18,106

See explanatory information, if any, and SOURCE at end of table.

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Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
501 Zoological Soc San Diego	40	0	0	0	0	0	0	0	0	0	40	0
502 National Assn of Scholars	38	0	0	0	0	0	0	0	0	38	0	0
503 SE Aquatic Research Inst	37	0	0	0	0	0	0	0	37	0	0	0
504 Am Soc Human Genetics	35	0	0	0	0	35	0	0	0	0	0	0
505 Assc Women Mathematics	35	0	0	0	0	0	0	0	0	0	35	0
506 Clean Airport Partnership	35	0	0	0	0	0	35	0	0	0	0	0
507 Grt Rvrs Allnc Natr Res	35	0	0	0	0	0	35	0	0	0	0	0
508 Millennium Institute	35	35	0	0	0	0	0	0	0	0	0	0
509 Natl Soc Black Physicists	35	0	0	0	0	0	0	0	0	35	0	0
510 Ducks Unlimited, Inc	34	0	0	0	0	0	0	0	34	0	0	0
Total 1st 510 institutions	656,994	5,114	9,198	37,086	17,991	33,615	129,026	139,158	1,760	219,840	46,100	18,106
511 MT Heritage Foundation	34	34	0	0	0	0	0	0	0	0	0	0
512 Oceanic Society	33	0	0	33	0	0	0	0	0	0	0	0
513 Geological Soc of America	32	0	0	0	0	0	0	0	32	0	0	0
514 NY Academy of Science	32	0	0	0	0	0	0	0	0	0	32	0
515 Coral Reef Research Fdn	31	0	31	0	0	0	0	0	0	0	0	0
516 ENO Transportation Fdn	30	0	0	0	0	0	0	0	0	0	0	30
517 Galileo Foundation	30	0	0	0	0	0	0	0	0	30	0	0
518 Pacific Forest Trust	30	30	0	0	0	0	0	0	0	0	0	0
519 Say Yes Tennis	30	0	0	0	0	0	0	0	0	30	0	0
520 Snta Barbara Maritime Mus	30	0	30	0	0	0	0	0	0	0	0	0
Total 1st 520 institutions	657,306	5,178	9,259	37,119	17,991	33,615	129,026	139,158	1,792	219,900	46,132	18,136
521 Lehigh Vly Water Supplier	29	0	0	0	0	0	29	0	0	0	0	0
522 Natl Soc Black Engineers	28	0	0	0	0	0	0	0	0	28	0	0
523 CT Audubon Society	27	0	0	0	0	0	0	0	27	0	0	0
524 Princeton U Press	27	0	0	0	0	0	0	0	0	0	27	0
525 Mineral Metals Mat Soc	26	0	0	11	0	0	0	0	0	0	15	0
526 Assoc Sci Woods Hole	25	0	0	25	0	0	0	0	0	0	0	0
527 CA Strawberry Commission	25	0	0	0	0	0	25	0	0	0	0	0
528 FL Fruit & Vegetable	25	0	0	0	0	0	25	0	0	0	0	0
529 Intl Soc Phrm Outcomes	25	0	0	0	0	0	0	25	0	0	0	0
530 Natl Ctr Education & Econ	25	0	0	0	0	0	0	0	0	0	0	25
Total 1st 530 institutions	657,568	5,178	9,259	37,155	17,991	33,615	129,105	139,183	1,819	219,928	46,174	18,161
531 Solar Energy Intl	25	0	0	0	0	0	0	0	0	25	0	0
532 TN Conservation League	25	0	0	0	0	0	0	0	25	0	0	0
533 Mathcounts Foundation	22	0	0	0	0	0	0	0	0	22	0	0
534 Seattle Cltn Ed Equity	22	0	0	0	0	22	0	0	0	0	0	0
535 Am Museum Moving Image	21	0	0	0	0	0	0	0	0	0	21	0
536 Ctr Resolutn Env Disputes	21	0	0	0	0	0	0	0	21	0	0	0
537 Science Museum Minnesota	21	0	0	0	0	0	0	0	0	0	21	0
538 Ambulatory Pediatric Assn	20	0	0	0	0	0	0	20	0	0	0	0
539 Assc Physical Sys Math	20	0	0	0	0	0	0	0	0	20	0	0
540 Blue Rdg Res Cnsvtn Dev	20	0	0	0	0	0	20	0	0	0	0	0
Total 1st 540 institutions	657,785	5,178	9,259	37,155	17,991	33,637	129,125	139,203	1,865	219,995	46,216	18,161
541 Dayton Foundation, The	20	0	0	20	0	0	0	0	0	0	0	0
542 Kystn Symp Molec Cell Bio	20	0	0	0	0	10	0	0	0	0	10	0
543 Marie Selby Botan Gardens	20	0	0	0	0	0	0	0	0	0	20	0
544 Natl Assc Corrosion Eng	20	0	0	20	0	0	0	0	0	0	0	0
545 Organic Farming Rsch Fdn	20	0	0	0	0	0	20	0	0	0	0	0
546 Sigma Xi Society	20	0	0	0	0	20	0	0	0	0	0	0
547 Satellite Ed Res Cnsrtm	19	0	0	0	0	0	0	0	0	0	19	0
548 Am Philosophical Assn	18	0	0	0	0	0	0	0	0	0	18	0
549 Crow Valley Livestock	18	18	0	0	0	0	0	0	0	0	0	0
550 Defenders of Wildlife Inc	18	0	0	0	0	0	0	0	0	0	0	18
Total 1st 550 institutions	657,978	5,196	9,259	37,195	17,991	33,667	129,145	139,203	1,865	219,995	46,283	18,179

See explanatory information, if any, and SOURCE at end of table.

Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
551 Land Ethics Workshop, The	18	0	0	0	0	0	18	0	0	0	0	0
552 MA Audubon Society	17	0	0	0	0	0	0	0	17	0	0	0
553 Intl Soc Optical Eng	16	0	0	16	0	0	0	0	0	0	0	0
554 Alliance to Save Energy	15	0	0	0	0	0	15	0	0	0	0	0
555 Am Inst Chemical Eng	15	0	0	0	0	15	0	0	0	0	0	0
556 Chemical Heritage Fdn	15	0	0	0	0	0	0	0	0	0	15	0
557 Cncl Food Agri & Res Econ	15	15	0	0	0	0	0	0	0	0	0	0
558 Ecosystem Recovery Inst	15	0	0	0	0	0	15	0	0	0	0	0
559 ME Math & Sci Alliance	14	0	0	0	0	0	0	0	0	14	0	0
560 Soc Automotive Engineers	14	0	0	0	0	0	0	0	0	0	14	0
Total 1st 560 institutions	658,132	5,211	9,259	37,211	17,991	33,682	129,193	139,203	1,882	220,009	46,312	18,179
561 Spring & Groundwater Inst	14	14	0	0	0	0	0	0	0	0	0	0
562 Museum of Science	13	0	0	0	0	0	0	0	0	13	0	0
563 Am Anthropological Assc	12	0	0	0	0	0	0	0	0	0	12	0
564 Alaska Bird Observatory	11	0	0	0	0	0	0	0	11	0	0	0
565 Am Assc Variable Star Obs	11	0	0	0	0	0	0	0	0	11	0	0
566 Natl Assn Regional Cncls	11	0	0	0	0	0	0	0	0	0	0	11
567 Bat Conservation Intl	10	0	0	0	0	0	10	0	0	0	0	0
568 Grand Calumet Task Force	10	0	0	0	0	0	10	0	0	0	0	0
569 Natl Env Ed & Trng Fdn	10	0	0	0	0	0	10	0	0	0	0	0
570 Renewable Natr Res Fdn	10	0	0	0	0	0	0	0	10	0	0	0
Total 1st 570 institutions	658,244	5,225	9,259	37,211	17,991	33,682	129,223	139,203	1,903	220,033	46,324	18,190
571 Russell Sage Foundation	10	0	0	0	0	0	0	0	0	0	10	0
572 Soc Ecological Restoratn	10	0	0	0	0	0	0	0	0	0	0	10
573 Soc Mining Mtlgy&Explrtn	10	0	0	0	0	0	0	0	10	0	0	0
574 Electrochemical Society	9	0	0	9	0	0	0	0	0	0	0	0
575 Am Assc U Women Ed Fdn	8	0	0	8	0	0	0	0	0	0	0	0
576 Mead Corporation Fdn	8	8	0	0	0	0	0	0	0	0	0	0
577 PRI-RU-TA Res Cnsvtn Dev	8	8	0	0	0	0	0	0	0	0	0	0
578 Public Voice Food & Hlth	8	8	0	0	0	0	0	0	0	0	0	0
579 Soil & Water Csrvtn Soc	8	0	0	0	0	0	8	0	0	0	0	0
580 Upper MI River Basin Assn	7	0	0	0	0	0	0	0	7	0	0	0
Total 1st 580 institutions	658,330	5,249	9,259	37,228	17,991	33,682	129,231	139,203	1,920	220,033	46,334	18,200

See explanatory information, if any, and SOURCE at end of table.

Table B-30. Federal obligations for science and engineering research and development and R&D plant to other independent nonprofit institutions, ranked by total amount received, by agency: fiscal year 1998

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
581 Shack Neighborhood House	6	6	0	0	0	0	0	0	0	0	0	0
582 Soc General Physiologists	6	0	0	0	0	0	0	0	0	0	6	0
583 Intl Assoc Wildland Fire	5	5	0	0	0	0	0	0	0	0	0	0
584 Rachel Carson Council	5	0	0	0	0	0	5	0	0	0	0	0
585 Radiation Rsch Soc VA	5	0	0	0	0	5	0	0	0	0	0	0
586 Rio Grande/Bravo Bsn Cltn	5	0	0	0	0	0	5	0	0	0	0	0
587 Amer Soc of Agronomy	4	4	0	0	0	0	0	0	0	0	0	0
588 Soc American Archaeology	4	0	0	0	0	0	0	0	0	0	4	0
589 American Inst Architects	3	0	0	3	0	0	0	0	0	0	0	0
590 Society for In Vitro Bio	3	3	0	0	0	0	0	0	0	0	0	0
Total 1st 590 institutions	658,376	5,267	9,259	37,231	17,991	33,687	129,241	139,203	1,920	220,033	46,344	18,200
591 Am Agricultural Econ Assn	2	2	0	0	0	0	0	0	0	0	0	0
592 Am Public Hlth Assoc	2	0	0	0	0	0	0	2	0	0	0	0
593 Desert Botanical Garden	1	1	0	0	0	0	0	0	0	0	0	0
Total 1st 593 institutions	658,381	5,270	9,259	37,231	17,991	33,687	129,241	139,205	1,920	220,033	46,344	18,200

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

KEY: USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
Int = Department of the Interior
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-31. Federal obligations for science and engineering to selected consortia of institutions: fiscal years 1991-98

[Dollars in thousands]

Consortium	1991	1992	1993	1994	1995	1996	1997	1998
Total, all consortia	99,650	125,830	114,874	101,795	101,921	102,376	17,290	10,445
Barrow Arctic Science Consortium	0	0	0	0	0	0	114	51
Central U.S. Earthquake Consortium	0	0	0	0	92	0	96	0
Consortium for International Development	0	0	84	0	0	0	0	0
Consortium for International Earth Science Information Network	0	24,815	18,975	10,380	6,311	4,782	3,607	2,111
Consortium for Oceanographic Rsch & Education	0	0	0	0	0	649	665	346
Five Colleges, Inc.	0	0	653	28	187	71	36	24
Louisiana Universities Marine Consortium	0	880	599	17	0	0	202	265
Midwest Universities Consortium for International Activities	0	0	0	0	1,766	48	0	0
Mississippi-Alabama Sea Grant Consortium	1,715	1,251	0	1,095	0	0	1,800	364
Mississippi Research Consortium	0	129	0	0	0	584	1,899	3,761
National Consortium for Graduate Degrees for Minorities in Engineering & Science	316	124	98	79	127	357	206	1,331
National Physical Science Consortium	0	0	0	0	816	121	846	659
Science & Engineering Alliance, Inc.	0	0	0	0	0	75	0	0
SECME, Inc. (SE Consortium for Minorities in Engineering)	0	0	0	0	0	25	0	0
Sematech, Inc.	96,700	97,600	92,935	88,696	87,900	84,587	0	0
South Carolina Sea Grant Consortium	919	1,031	30	0	2,322	3,226	3,466	300
Southwestern Ohio Council for Higher Education	0	0	0	0	0	0	0	1,031
West Virginia High Technology Consortium	0	0	1,500	1,500	2,400	7,851	3,891	202
Western Kansas Community Service Consortium	0	0	0	0	0	0	462	0

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-32. Federal obligations for science and engineering (S&E) to selected consortia of institutions, by type of activity: fiscal year 1998

[Dollars in thousands]

Consortium	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Total, all consortia	10,445	9,042	0	0	1,332	0	71
Barrow Arctic Science Consortium	51	51	0	0	0	0	0
Consortium for International Earth Science Information Network	2,111	2,111	0	0	0	0	0
Consortium for Oceanographic Rsch & Education	346	275	0	0	0	0	71
Five Colleges, Inc.	24	24	0	0	0	0	0
Louisiana Universities Marine Consortium	265	265	0	0	0	0	0
Mississippi-Alabama Sea Grant Consortium	364	182	0	0	182	0	0
Mississippi Research Consortium	3,761	3,761	0	0	0	0	0
National Consortium for Graduate Degrees for Minorities in Engineering & Science	1,331	331	0	0	1,000	0	0
National Physical Science Consortium	659	659	0	0	0	0	0
South Carolina Sea Grant Consortium	300	150	0	0	150	0	0
Southwestern Ohio Council for Higher Education	1,031	1,031	0	0	0	0	0
West Virginia High Technology Consortium	202	202	0	0	0	0	0

[1] See Technical Notes, "Categories of Support."

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-33. Federal obligations for science and engineering to selected consortia of institutions, by agency: fiscal year 1998

[Dollars in thousands]

Consortium	Total	USDA	Com	DoD	ED	DOE	EPA	HHS	NASA	NSF	Other [1]
Total, all consortia	10,445	0	694	1,542	0	100	1,000	0	6,958	151	0
Barrow Arctic Science Consortium	51	0	0	0	0	0	0	0	0	51	0
Consortium for International Earth Science Information Network	2,111	0	0	0	0	0	0	0	2,111	0	0
Consortium for Oceanographic Rsch & Education	346	0	0	246	0	0	0	0	0	100	0
Five Colleges, Inc.	24	0	0	0	0	0	0	0	24	0	0
Louisiana Universities Marine Consortium	265	0	0	265	0	0	0	0	0	0	0
Mississippi-Alabama Sea Grant Consortium	364	0	364	0	0	0	0	0	0	0	0
Mississippi Research Consortium	3,761	0	0	0	0	0	0	0	3,761	0	0
National Consortium for Graduate Degrees for Minorities in Engineering & Science	1,331	0	0	0	0	0	1,000	0	331	0	0
National Physical Science Consortium	659	0	30	0	0	0	0	0	629	0	0
South Carolina Sea Grant Consortium	300	0	300	0	0	0	0	0	0	0	0
Southwestern Ohio Council for Higher Education	1,031	0	0	1,031	0	0	0	0	0	0	0
West Virginia High Technology Consortium	202	0	0	0	0	100	0	0	102	0	0

[1] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Housing and Urban Development, Interior, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

KEY: USDA = Department of Agriculture
Com = Department of Commerce
DoD = Department of Defense
ED = Department of Education
DOE = Department of Energy
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-34. Federal science and engineering (S&E) obligations to federally funded research and development centers administered by universities and colleges, by type of activity: fiscal years 1963-98

[Dollars in thousands]

Fiscal year	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
1963	814,082	668,803	138,880	[2]	[2]	[2]	6,399
1964	862,353	732,345	122,508	[2]	[2]	[2]	7,500
1965	895,287	744,172	141,714	[2]	[2]	[2]	9,401
1966	917,631	784,227	127,604	[2]	[2]	[2]	5,800
1967	907,549	800,798	101,753	[2]	[2]	[2]	4,998
1968	935,820	818,035	113,779	[2]	[2]	[2]	4,006
1969	916,872	790,981	121,135	[2]	[2]	[2]	4,756
1970	960,906	799,670	156,794	[2]	[2]	[2]	4,442
1971	976,313	787,186	184,709	53	1,481	70	2,814
1972	1,067,343	927,278	133,318	0	2,740	0	4,007
1973	1,005,764	904,413	95,521	45	2,944	48	2,793
1974	1,071,203	962,203	102,105	0	664	206	6,025
1975	1,196,768	1,067,283	128,772	0	351	211	151
1976	1,433,618	1,268,144	163,038	0	493	0	1,943
1977	1,600,593	1,442,656	157,508	0	306	123	0
1978	1,665,824	1,451,994	213,180	0	458	106	86
1979	1,916,109	1,584,961	330,613	0	402	133	0
1980	2,143,749	1,733,234	379,943	12,525	527	9,955	7,565
1981	2,204,317	1,871,759	322,137	6,647	298	2,270	1,206
1982	2,462,966	2,047,178	406,211	6,115	293	400	2,769
1983	2,741,693	2,374,303	337,350	17,757	437	11,130	716
1984	3,006,001	2,638,926	358,265	1,605	344	584	6,277
1985	3,448,981	3,017,551	427,122	1,460	683	1,921	244
1986	3,520,597	3,167,947	348,705	0	1,019	1,285	1,641
1987	3,640,152	3,262,366	373,474	902	577	1,532	1,301
1988	3,766,126	3,300,725	462,089	450	544	687	1,631
1989	4,019,693	3,525,739	459,724	1,095	628	764	31,743
1990	4,146,931	3,593,699	473,314	0	857	24,009	55,052
1991	4,301,010	3,615,400	615,760	4,570	4,635	206	60,439
1992	4,443,690	3,843,551	598,946	0	813	235	145
1993	4,318,780	3,627,562	620,724	33,359	109	80	36,946
1994	4,060,048	3,352,105	660,871	0	301	36,448	10,323
1995	4,209,839	3,647,640	511,410	2,351	332	47,414	692
1996	4,108,726	3,577,626	529,705	0	251	550	594
1997	4,346,515	3,772,668	567,864	0	4,124	770	1,089
1998	4,097,822	3,535,493	545,051	400	4,591	11,197	1,090

[1] See Technical Notes, "Categories of Support."

[2] Not separately identified but included under "Other science and engineering activities."

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions Fiscal Year 1998

Table B-35. Federal science and engineering obligations to federally funded research and development centers administered by universities and colleges, by agency: fiscal years 1963-98

[Dollars in thousands]

Fiscal year	Total	USDA	Com	DoD	DOE [1]	EPA	HHS [2]	HUD	Int	NASA	NSF	NRC	DOT	Other [3]
1963	814,082	0	0	128,236	440,259	0	0	0	0	230,168	15,419	0	0	0
1964	862,353	0	0	144,044	471,470	0	509	0	0	226,194	20,136	0	0	0
1965	895,287	0	0	142,676	485,028	0	1,788	0	0	245,094	20,701	0	0	0
1966	917,631	0	0	141,916	517,898	0	3,225	0	0	230,820	23,772	0	0	0
1967	907,549	0	0	135,992	510,878	0	7,859	0	0	223,984	28,836	0	0	0
1968	935,820	0	45	142,847	539,513	0	12,455	0	0	209,732	31,227	0	1	0
1969	916,872	0	57	143,365	560,752	0	23,658	0	0	160,619	28,421	0	NA	0
1970	960,906	0	92	131,213	613,251	0	7,932	0	0	180,692	27,506	0	220	0
1971	976,313	0	0	129,398	626,621	0	7,427	550	0	175,077	37,240	0	0	0
1972	1,067,343	0	0	189,649	609,031	0	9,478	0	0	211,295	41,811	0	6,079	0
1973	1,005,764	0	0	155,223	595,815	88	1,171	0	0	203,860	46,386	0	3,221	0
1974	1,071,203	0	0	163,990	633,667	0	3,151	0	261	212,065	57,032	0	1,037	0
1975	1,196,768	0	73	186,168	721,906	0	3,280	0	213	227,512	57,562	0	54	0
1976	1,433,618	0	0	207,323	906,173	0	6,170	0	674	241,928	71,325	0	25	0
1977	1,600,593	0	0	217,990	1,067,072	0	6,622	0	0	235,714	72,317	0	878	0
1978	1,665,824	0	0	97,495	1,254,354	0	8,771	0	0	224,121	78,489	50	2,544	0
1979	1,916,109	0	0	111,728	1,442,694	0	11,556	0	294	264,610	85,227	0	0	0
1980	2,143,749	0	0	134,070	1,608,105	0	11,955	0	300	312,866	73,153	0	3,300	0
1981	2,204,317	82	0	137,767	1,654,224	0	16,099	0	285	318,820	73,240	0	3,800	0
1982	2,462,966	0	1,545	188,514	1,844,961	393	19,087	0	0	331,938	72,702	0	3,826	0
1983	2,741,693	65	179	266,827	1,937,120	2	20,543	0	0	427,526	83,440	0	5,991	0
1984	3,006,001	120	271	249,558	2,083,262	0	20,562	0	30	548,307	91,464	0	12,427	0
1985	3,448,981	55	333	322,060	2,259,839	0	25,854	0	0	724,813	103,438	0	12,539	50
1986	3,520,597	165	996	322,357	2,172,387	0	26,404	0	0	891,284	99,529	0	7,475	0
1987	3,640,152	210	573	381,970	2,235,593	0	30,586	0	0	878,564	102,973	150	9,464	69
1988	3,766,126	0	551	372,410	2,420,120	0	27,944	0	0	846,091	98,905	50	55	0
1989	4,019,693	493	801	405,299	2,550,385	0	29,203	0	0	929,125	104,112	0	100	175
1990	4,146,931	0	644	437,120	2,608,062	0	30,428	0	0	950,199	120,251	0	0	227
1991	4,301,010	0	1,006	411,276	2,677,263	145	29,651	0	0	986,635	194,805	0	0	229
1992	4,443,690	195	398	416,480	2,811,678	19	28,165	0	0	1,050,818	135,852	0	0	85
1993	4,318,780	25	426	383,569	2,924,419	0	25,224	0	0	840,791	143,191	0	1,000	135
1994	4,060,048	0	426	331,081	2,736,497	88	27,179	0	140	813,393	150,966	0	111	167
1995	4,209,839	0	758	350,315	2,574,172	0	23,538	0	610	1,053,935	190,378	0	15,949	184
1996	4,108,726	26	401	349,140	2,506,217	0	25,095	0	127	1,081,911	143,684	0	2,000	125
1997	4,346,515	43	60	332,041	2,711,190	472	34,818	0	0	1,111,326	151,235	0	5,217	113
1998	4,097,822	88	5	310,477	2,556,278	0	23,487	0	0	1,122,790	84,682	0	0	15

[1] Data shown for fiscal years (FYs) 1963-74 and FYs 1975-77 represent obligations of the Atomic Energy Commission and the Energy Research and Development Administration, respectively.

[2] Data shown for FYs 1963-79 represent obligations of the Department of Health, Education, and Welfare.

[3] This column displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Education, Labor, and State; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Office of Justice Programs; and the Social Security Administration.

KEY:
- USDA = Department of Agriculture
- Com = Department of Commerce
- DoD = Department of Defense
- DOE = Department of Energy
- EPA = Environmental Protection Agency
- HHS = Department of Health and Human Services
- HUD = Department of Housing and Urban Development
- Int = Department of the Interior
- NASA = National Aeronautics and Space Administration
- NSF = National Science Foundation
- NRC = Nuclear Regulatory Commission
- DOT = Department of Transportation
- NA = Not available

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions Fiscal Year 1998

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Table B-36. Federal science and engineering (S&E) obligations to federally funded research and development centers administered by universities and colleges, by agency and type of activity, fiscal year 1998

[Dollars in thousands]

Agency	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Total, all agencies	4,097,822	3,535,493	545,051	400	4,591	11,197	1,090
Department of Agriculture	88	88	0	0	0	0	0
Department of Commerce	5	0	0	0	0	0	5
Department of Defense	310,477	310,131	0	0	320	0	26
Department of Energy	2,556,278	2,011,620	530,437	0	3,024	11,197	0
Department of Health & Human Services, total	23,487	23,240	0	0	247	0	0
National Institutes of Health	23,487	23,240	0	0	247	0	0
Department of State	15	15	0	0	0	0	0
National Aeronautics & Space Administration	1,122,790	1,121,590	1,200	0	0	0	0
National Science Foundation	84,682	68,809	13,414	400	1,000	0	1,059

[1] See Technical Notes, "Categories of Support."

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

Table B-37. Federal science and engineering obligations to federally funded research and development centers (FFRDCs) administered by universities and colleges, by State, institution, and sponsoring agency: fiscal years 1991-98

[Dollars in thousands]

State, institution, and sponsoring agency	1991	1992	1993	1994	1995	1996	1997	1998
United States, total	4,301,010	4,443,690	4,318,780	4,060,048	4,209,839	4,108,726	4,346,515	4,097,822
Arizona:								
National Optical Astronomy Observatories[1] (National Science Foundation)	29,511	28,510	41,615	45,284	70,099	30,933	33,691	41,332
California:								
Ernest Orlando Lawrence Berkeley National Laboratory (Department of Energy)	196,715	202,859	204,066	220,271	231,839	267,829	280,184	268,335
Jet Propulsion Laboratory[2] (National Aeronautics & Space Admin)	986,914	1,050,806	840,918	813,744	1,054,571	1,082,790	1,111,013	1,117,007
Lawrence Livermore National Laboratory (Department of Energy)	754,198	718,478	703,580	563,322	510,680	510,507	694,006	815,791
Stanford Linear Accelerator Center (Department of Energy)	142,710	148,334	160,977	174,767	168,818	179,359	173,572	171,658
Colorado:								
National Center for Atmospheric Research (National Science Foundation)	53,889	58,767	61,971	64,551	79,638	72,979	72,389	469
Illinois:								
Argonne National Laboratory (Department of Energy)	357,584	383,131	413,069	378,108	348,056	288,143	260,505	252,464
Fermi National Accelerator Laboratory (Department of Energy)	212,090	226,193	226,141	229,018	251,143	262,225	265,411	276,893
Iowa:								
Ames Laboratory (Department of Energy)	29,916	29,608	28,670	25,169	24,491	26,083	22,320	22,349
Massachusetts:								
Lincoln Laboratory (Department of Defense/Air Force)	376,209	373,805	343,913	294,947	314,609	306,970	305,653	282,230
New Jersey:								
Princeton Plasma Physics Laboratory (Department of Energy)	90,311	116,853	111,543	103,754	118,184	60,560	56,763	50,565
New Mexico:								
Los Alamos National Laboratory (Department of Energy)	555,967	598,011	670,200	574,896	535,753	547,548	607,442	646,867
New York:								
Brookhaven National Laboratory[5] (Department of Energy)	255,218	303,594	324,251	331,467	318,029	318,092	321,228	0
Pennsylvania:								
Software Engineering Institute (Dept of Defense/Defense Advanced Research Projects Agency)	31,565	34,951	32,334	32,786	31,582	33,607	18,420	20,721
Tennessee:								
Oak Ridge Institute for Science & Education (Department of Energy)	31,191	38,947	46,940	96,159	44,505	15,289	16,409	20,748

See explanatory information, if any, and SOURCE at end of table.

Table B-37. Federal science and engineering obligations to federally funded research and development centers (FFRDCs) administered by universities and colleges, by State, institution, and sponsoring agency: fiscal years 1991-98

[Dollars in thousands]

State, institution, and sponsoring agency	1991	1992	1993	1994	1995	1996	1997	1998
Texas:								
Institute for Advanced Technology[3] (Department of Defense/Army)	1,889	6,481	0	0	NA	NA	NA	NA
Virginia:								
Thomas Jefferson National Accelerator Facility[4] (Department of Energy)	84,565	77,297	69,880	72,452	70,576	67,765	68,452	69,240
West Virginia:								
National Radio Astronomy Observatory (National Science Foundation)	102,052	35,315	29,246	29,218	29,597	29,776	30,813	41,153
Puerto Rico:								
National Astronomy & Ionosphere Center (National Science Foundation)	8,516	11,750	9,466	10,135	7,669	8,271	8,244	0

1 Since February 1984, this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory, and the National Solar Observatory (formerly Sacramento Peak Observatory).

2 Obligations reported to the Jet Propulsion Laboratory include sizable amounts that are subcontracted, principally to industrial firms.

3 The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX, as an FFRDC in November 1993.

4 In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

5 On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

NOTE: University consortia, as well as individual universities and colleges, administer FFRDCs. Refer to Section A, Technical Notes, "Federally Funded Research and Development Centers" for a list of FFRDCs by agency and administering institution.

KEY: NA = Not applicable

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions Fiscal Year 1998

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Table B-38. Federal science and engineering (S&E) obligations to federally funded research and development centers (FFRDCs) administered by universities and colleges, by State, institution, agency, and type of activity: fiscal year 1998

[Dollars in thousands]

State, institution, administering institution, and agency providing funds	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
United States, total:							
Total	4,097,822	3,535,493	545,051	400	4,591	11,197	1,090
Dept of Agriculture	88	88	0	0	0	0	0
Dept of Commerce	5	0	0	0	0	0	5
Dept of Defense	310,477	310,131	0	0	320	0	26
Dept of Energy	2,556,278	2,011,620	530,437	0	3,024	11,197	0
Dept of Health & Human Services	23,487	23,240	0	0	247	0	0
Nat'l Aeronautics & Space Admin	1,122,790	1,121,590	1,200	0	0	0	0
Nat'l Science Foundation	84,682	68,809	13,414	400	1,000	0	1,059
Other agencies [2]	15	15	0	0	0	0	0
Arizona:							
Nat'l Optical Astronomy Observatories [3] (Assoc of Univ for Rsch in Astronomy, Inc.)							
Total	41,332	37,332	4,000	0	0	0	0
Nat'l Science Foundation	41,332	37,332	4,000	0	0	0	0
California:							
Ernest Orlando Lawrence Berkeley National Lab (University of California)							
Total	268,335	228,778	37,815	0	567	1,175	0
Dept of Defense	5,846	5,526	0	0	320	0	0
Dept of Energy	243,135	204,145	37,815	0	0	1,175	0
Dept of Health & Human Services	16,972	16,725	0	0	247	0	0
Nat'l Aeronautics & Space Admin	2,382	2,382	0	0	0	0	0
Jet Propulsion Laboratory [4] (California Institute of Technology)							
Total	1,117,007	1,115,807	1,200	0	0	0	0
Nat'l Aeronautics & Space Admin	1,116,963	1,115,763	1,200	0	0	0	0
Nat'l Science Foundation	44	44	0	0	0	0	0
Lawrence Livermore National Laboratory (University of California)							
Total	815,791	590,059	221,548	0	0	3,683	501
Dept of Defense	1,936	1,910	0	0	0	0	26
Dept of Energy	811,043	585,812	221,548	0	0	3,683	0
Nat'l Aeronautics & Space Admin	2,148	2,148	0	0	0	0	0
Nat'l Science Foundation	649	174	0	0	0	0	475
Other agencies [2]	15	15	0	0	0	0	0
Stanford Linear Accelerator Center (Leland Stanford Junior University)							
Total	171,658	130,045	41,613	0	0	0	0
Dept of Energy	171,658	130,045	41,613	0	0	0	0
Colorado:							
Nat'l Center for Atmospheric Research (Univ Corp for Atmospheric Research)							
Total	469	469	0	0	0	0	0
Dept of Agriculture	88	88	0	0	0	0	0
Nat'l Aeronautics & Space Admin	381	381	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-38. Federal science and engineering (S&E) obligations to federally funded research and development centers (FFRDCs) administered by universities and colleges, by State, institution, agency, and type of activity: fiscal year 1998

[Dollars in thousands]

State, institution, administering institution, and agency providing funds	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Illinois:							
Argonne National Laboratory (University of Chicago)							
Total	252,464	217,608	33,838	0	0	1,013	5
Dept of Commerce	5	0	0	0	0	0	5
Dept of Energy	252,189	217,338	33,838	0	0	1,013	0
Nat'l Aeronautics & Space Admin	270	270	0	0	0	0	0
Fermi National Accelerator Laboratory (Universities Research Assoc. Inc.)							
Total	276,893	179,376	97,517	0	0	0	0
Dept of Energy	276,893	179,376	97,517	0	0	0	0
Iowa:							
Ames Laboratory (Iowa State Univ of Science & Tech)							
Total	22,349	18,472	3,877	0	0	0	0
Dept of Energy	22,349	18,472	3,877	0	0	0	0
Massachusetts:							
Lincoln Laboratory (Massachusetts Inst of Technology)							
Total	282,230	282,230	0	0	0	0	0
Dept of Defense	281,974	281,974	0	0	0	0	0
Nat'l Aeronautics & Space Admin	256	256	0	0	0	0	0
New Jersey:							
Princeton Plasma Physics Laboratory (Princeton University)							
Total	50,565	37,272	13,293	0	0	0	0
Dept of Energy	50,565	37,272	13,293	0	0	0	0
New Mexico:							
Los Alamos National Laboratory (University of California)							
Total	646,867	574,168	72,157	0	0	542	0
Dept of Energy	640,139	567,440	72,157	0	0	542	0
Dept of Health & Human Services	6,234	6,234	0	0	0	0	0
Nat'l Aeronautics & Space Admin	390	390	0	0	0	0	0
Nat'l Science Foundation	104	104	0	0	0	0	0
Pennsylvania:							
Software Engineering Institute (Carnegie Mellon University)							
Total	20,721	20,721	0	0	0	0	0
Dept of Defense	20,721	20,721	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table B-38. Federal science and engineering (S&E) obligations to federally funded research and development centers (FFRDCs) administered by universities and colleges, by State, institution, agency, and type of activity: fiscal year 1998

[Dollars in thousands]

State, institution, administering institution, and agency providing funds	Total	Research and development	R&D plant [1]	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Tennessee:							
Oak Ridge Institute for Science & Education (Oak Ridge Assoc Universities, Inc.)							
Total	20,748	10,256	1,284	400	4,024	4,784	0
Dept of Energy	19,067	9,975	1,284	0	3,024	4,784	0
Dept of Health & Human Services	281	281	0	0	0	0	0
Nat'l Science Foundation	1,400	0	0	400	1,000	0	0
Virginia:							
Thomas Jefferson Nat'l Accelerator Facility [5] (Southeastern Univ Research Assoc, Inc.)							
Total	69,240	61,745	7,495	0	0	0	0
Dept of Energy	69,240	61,745	7,495	0	0	0	0
West Virginia:							
National Radio Astronomy Observatory (Associated Universities, Inc.)							
Total	41,153	31,155	9,414	0	0	0	584
Nat'l Science Foundation	41,153	31,155	9,414	0	0	0	584

[1] See Technical Notes, "Categories of Support."

[2] This row displays data for the following agencies, if they reported obligations in the variables represented by this table: the Departments of Education, Housing and Urban Development, Labor, State, and Transportation; the Agency for International Development; the Appalachian Regional Commission; the Bureau of Engraving and Printing; the General Services Administration; the Nuclear Regulatory Commission; the Office of Justice Programs; and the Social Security Administration.

[3] Since February 1984, this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory and the National Solar Observatory (formerly Sacramento Peak Observatory).

[4] Obligations reported to the Jet Propulsion Laboratory include sizable amounts that are subcontracted, principally to industrial firms.

[5] In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

NOTE: University consortia, as well as individual universities and colleges, administer FFRDCs. Refer to Section A, Technical Notes, "Federally Funded Research and Development Centers" for a list of FFRDCs by agency and administering institution.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1998

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Table B-39. Federal science and engineering research and development and R&D plant obligations to federally funded research and development centers (FFRDCs) administered by nonprofit institutions, by State, institution, and sponsoring agency: fiscal years 1991-98

[Dollars in thousands]

State, institution, and sponsoring agency	1991	1992	1993	1994	1995	1996	1997	1998
United States, total	815,064	924,864	1,031,708	1,007,262	1,088,415	917,878	939,554	1,222,948
California:								
Aerospace Federally Funded Research & Development Center (Department of Defense/Air Force)	397,271	168,209	177,745	158,100	145,780	158,102	192,388	208,581
Arroyo Center[1] (Department of Defense/Army)	0	17,625	16,350	15,300	15,505	18,363	19,592	16,083
National Defense Research Institute[1] (Department of Defense/ Office of the Secretary)	0	9,413	8,807	9,052	7,500	7,244	6,478	8,897
Project Air Force[1] (Department of Defense/Air Force)	0	22,488	23,980	24,000	24,000	24,000	21,711	21,937
Colorado:								
National Renewable Energy Laboratory[2] (Department of Energy)	104,013	139,681	189,909	207,547	242,900	173,699	152,037	161,451
New Mexico:								
Inhalation Toxicology Research Institute[3] (Department of Energy)	8,583	8,881	8,433	7,890	6,845	0	0	0
New York:								
Brookhaven National Laboratory[4] (Department of Energy)	0	0	0	0	0	0	0	311,004
Virginia:								
C3I Federally Funded Research & Development Center[5] (Dept of Defense/Off of the Sec)	17,838	254,051	259,606	243,839	237,518	195,859	210,552	196,089
Center for Advanced Aviation System Development[5] (Department of Transportation)	0	17,542	5,658	13,327	8,868	5,958	5,200	4,894
Center for Naval Analyses (Department of Defense/Navy)	48,558	43,713	43,371	44,474	44,857	45,215	43,571	43,153
Inst for Defense Analyses Communications & Computing FFRDC[6] (Dept of Def/Nat'l Security Agency)	0	0	0	0	0	31,295	34,850	34,160
Inst for Defense Analyses Studies & Analyses FFRDC (Dept of Defense/ Office of the Secretary)	73,468	90,185	88,740	83,988	88,551	55,777	55,883	57,132

See footnotes at end of table.

Table B-39. Federal science and engineering research and development and R&D plant obligations to federally funded research and development centers (FFRDCs) administered by nonprofit institutions, by State, institution, and sponsoring agency: fiscal years 1991-98

[Dollars in thousands]

State, institution, and sponsoring agency	1991	1992	1993	1994	1995	1996	1997	1998
Logistics Management Institute[7] (Department of Defense/ Office of the Secretary)	26,696	3,657	4,040	4,099	4,043	7,000	12,527	6,942
Washington:								
Pacific Northwest National Laboratory (Department of Energy)	138,637	149,419	205,069	195,646	262,028	195,366	184,765	152,625

1 The following portions of the RAND Corp. are FFRDCs: National Defense Research Institute (formerly Defense/Office of the Joint Chiefs of Staff), Project Air Force, the Arroyo Center, and the Critical Technologies Institute. All other agency support to RAND is reported under nonprofit institutions.

2 In September 1991 the name was changed from Solar Energy Research Institute.

3 The Department of Energy removed the Inhalation Toxicology Research Institute from the Master Government List of FFRDCs in May 1996.

4 On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortia.

5 Only the C3I Federally Funded Research & Development Center and the Center for Advanced Aviation System Development parts of the MITRE Corp. are FFRDCs. All other agency support to MITRE is reported under nonprofit institutions.

6 Although the Institute for Defense Analyses Communications & Computing FFRDC has been in existence since 1956, the Department of Defense added it to the Master Government List of FFRDCs for the first time in October 1995.

7 Logistics Management Institute moved from Bethesda, MD, to McLean, VA, in May 1994.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions Fiscal Year 1998

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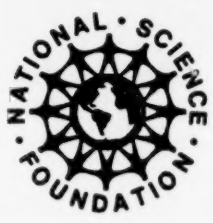

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